SAMSUNG

REFRIGERATOR

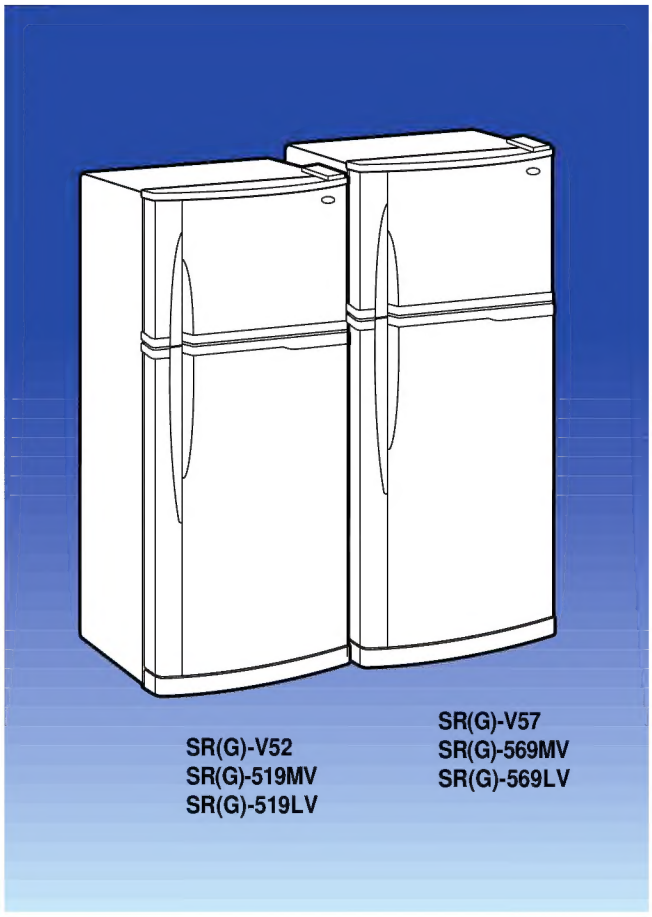
Model : SR(G)-V57, 569MV, 569LV
SR(G)-V52, 519MV, 519LV

CFC FREE
GREEN

SRG-V57
SRG-569MV
SRG-569LV
SRG-V52
SRG-519MV
SRG-519LV
[NON-CFC]

SERVICE Manual

REFRIGERATOR



SR(G)-V52
SR(G)-519MV
SR(G)-519LV

SR(G)-V57
SR(G)-569MV
SR(G)-569LV

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1. Warning for safety

This is to prevent users or other persons from being wounded or injured, by using the present product properly. Be sure to observe these contents for safely. (After reading these contents, please keep in such a safe place as to look up)

Contents of caution/warning

Warning	Represents the contents that death or heavy injury of a person is foreseen.
Caution	Represents the contents that injury of a person or damage of material is foreseen.

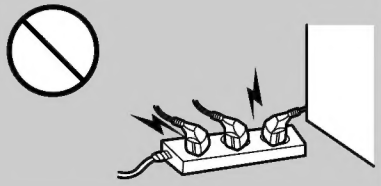
Contents of indication

	Represents the contents of prohibition
	Represents the prohibition of disassembly.
	Represents the prohibition of contact.
	Represents what has to be observed.
	Represents that a power plug has to be separated from the plug socket.
	Represents earth for prevention of electric shock.

Warning

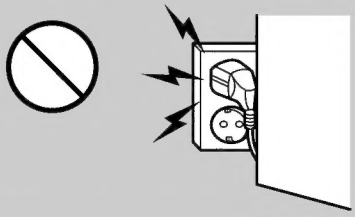
Do not insert the power plugs for many products at the same time.

• May cause abnormal generation of heat or fire.



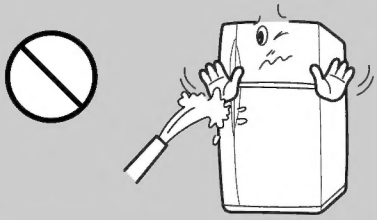
Set the power plug free from the back side of the refrigerator.

• Damaged power plug may cause fire due to short circuit.



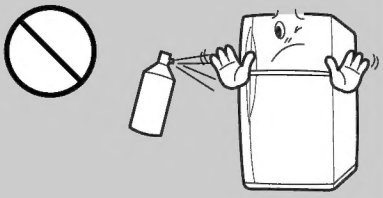
Do not directly spray water inside or outside of the refrigerator

• May cause fire or electric shock.



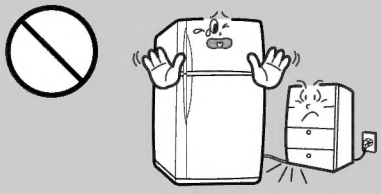
Do not spray inflammable gas near the refrigerator.

• May cause explosion or fire.



Do not bend the power cord with excessive force or do not have the power cord pressed by heavy article.

• May cause fire.



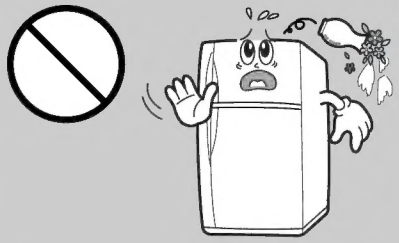
Do not store a volatile and inflammable substance in the refrigerator.

• Storage of benzene, thinner, alcohol, ether, LP gas, etc., may cause explosion.

Warning

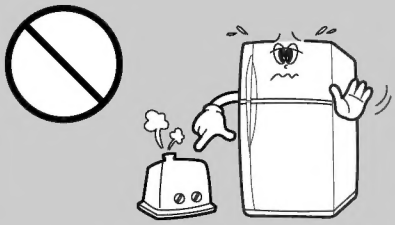
Do not put a container filled with water on the product.

- If water poured, it cause bad insulation of the electric parts which may lead to fire or electric shock.



Do not install the refrigerator in the wet place or the place which water splashes.

- Deterioration of insulation of electric parts may cause electric shock or fire.

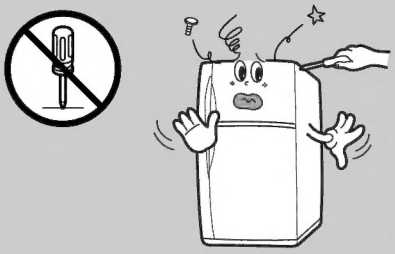


Do not insert the power plug with the wet hand.

- May cause electric shock.

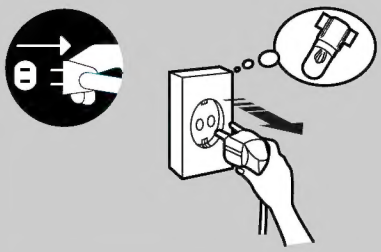
Do not disassemble, repair or alter.

- It may cause fire or abnormal operation which leads to injury.



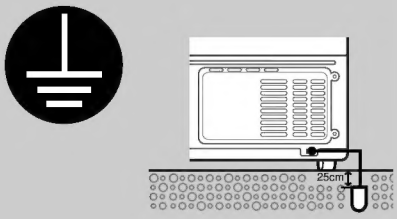
Pull the power plug out for exchanging the interior lamp of the refrigerator.

- It may cause electric shock.



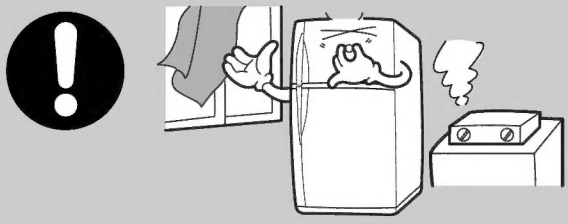
Be sure to earth.

- If earthing is not done, it will cause breakdown and electric shock. (Please refer to page 6).



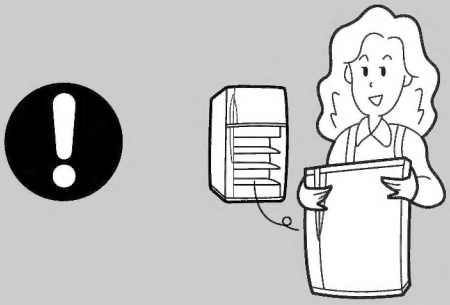
If and when gas leaks, immediately ventilate without touching the refrigerator and the plug.

- Explosion of gas may cause fire and a burn.



Dispose refrigerator after door or door's packing is removed, if disposition is required.

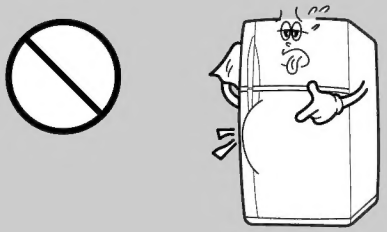
- It is dangerous for child to enter the refrigerator for play-in with door closed.



Caution

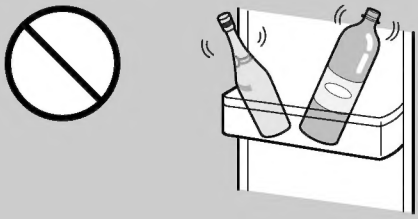
Do not store too much foodstuffs therein.

- Opening of the door may cause pouring over which may inflict a wound.



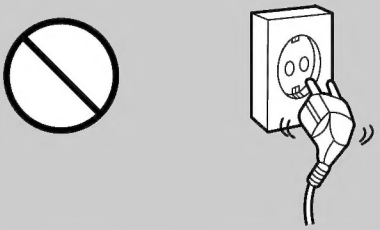
Do not store narrow and lengthy bottles or foods in a small multi-purpose room.

- It may hurt you when refrigerator door is opened and closed resulting in falling stuff down.



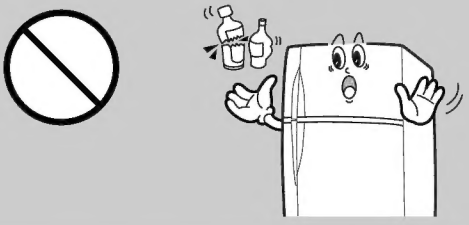
If the hole of the power plug socket is loose, do not insert the power plug.

- It may cause electric shock and fire.



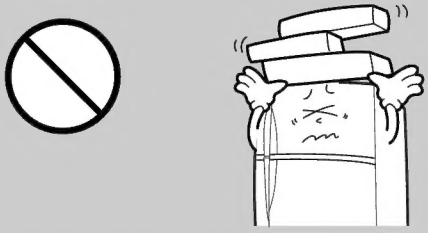
Do not put bottles or kinds of glass in the freezing room.

- Freezing of the contents may inflict a wound.



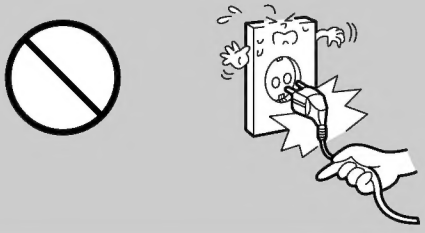
Do not store articles on the product.

- Opening or closing of the door may cause throwing down which may inflict a wound.



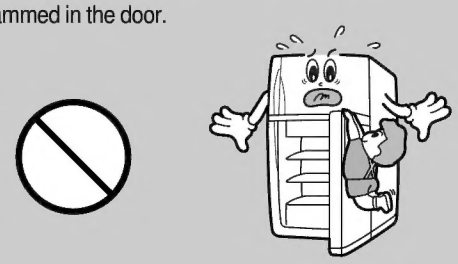
Do not pluck out the power cord by pulling the portion of it.

- Damage of the cord portion may cause fire and electric shock.



Do not let a child be hung down from the door.

- injury may occurs, when the product falls down or a finger is jammed in the door.



Do not store pharmaceutical products, scientific materials, etc,. in the refrigerator.

- The products which temperature control shall be strict shall not be stored in the refrigerator.

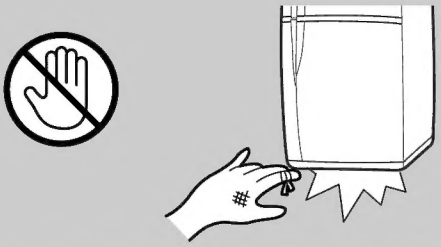
Caution

Do not touch the container and the food stuffs of the freezing room with the wet hand.

- It may cause frostbite.

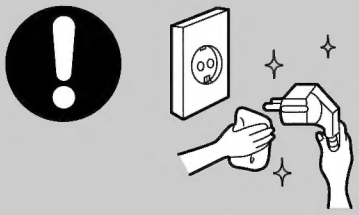
Do not enter the hand into the bottom surface of the product.

- Sharp edge may inflict a wound.



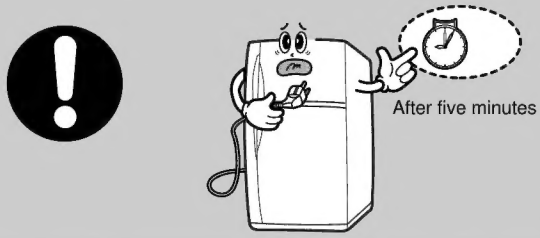
Please wipe out foreign materials of the metal option of the power plug cleanly.

- Use of it as it is may cause fire.



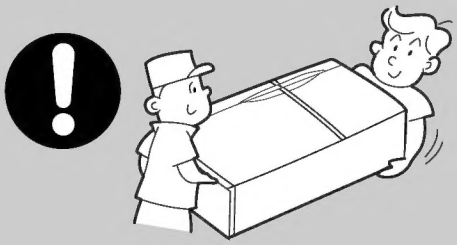
If you want to insert the power plug again, please insert it five minutes after pulling out of the plug socket.

- Abnormal operation of freezing device may cause breakdown of it.



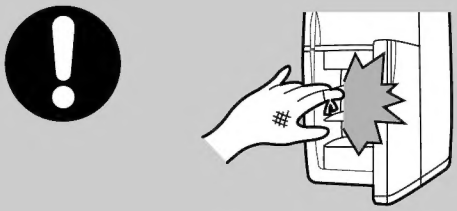
Move it by catching the upper handle of rear side and the lower handle of front side.

- Slippery is caused to hurt, when other part is grasped.



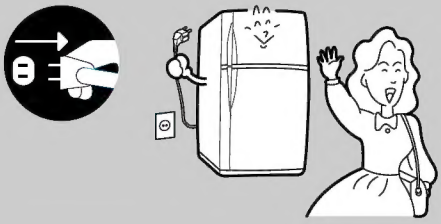
Use handle when opening and closing the refrigerator door.

- In case of using other parts than handle, it may hurt you with your finger jammed.

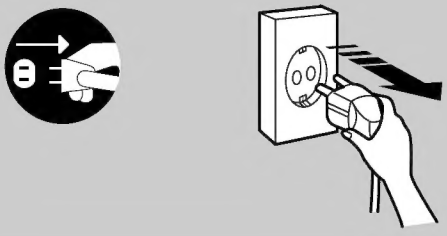


If the refrigerator is not to be used for a long time, pull out the power plug.

- Due to deterioration of insulation, may cause fire.



When abnormal sound, smell or smoke is noticed, pull a power plug off immidiately, then call service center.



2. Product Specifications

NON-CFC

Model name (NON-CFC)			SRG-V57	SRG-569MV	SRG-569LV	SRG-V52	SRG-519MV	SRG-519LV
Option			High	Middle	Low	High	Middle	Low
Type			2-Door Freezer/Refrigerator					
Power source			AC 110V/60Hz, 220V/50Hz, 230~240V/50Hz					
Capacity (Net)	Freezer		120LT (4.2 cu.ft)					
	Refrigerator		344LT (12.1 cu.ft)			304LT (10.7 cu.ft)		
	Total		464LT (16.3 cu.ft)			424LT (14.9 cu.ft)		
Net Dimensions (mm)	Width		740					
	Depth		705					
	Height		1836			1748		
Net weight (Kg)			85			80		
Refrigerant			HFC-134a / 160Gr					
Temperature control			Automatic (Thermostat)					
Defrosting			Automatic (Start-Finish by Timer)					
Refrigerator cooling type			"X"-FLOW	MULTI-FLOW		"X"-FLOW	MULTI-FLOW	
Foam	Cabinet-insulation		Cyclo-Pentane					
	Door-insulation							
Liner/Door Panel			ABS					
Accessory Parts	Door storage		1 Guard bottle					
			2 Guard freezer					
			3 Guard variety					
			2 Tray egg					
	Inside storage	F	1 Freezer shalf					
			1 Air shower					
			2 Twist tray ice					
			1 Tray ice cube					

Model name (NON-CFC)			SRG-V57	SRG-569MV	SRG-569LV	SRG-V52	SRG-519MV	SRG-519LV
Option			High	Middle	Low	High	Middle	Low
Accessory Parts	Inside storage	R	2 Slide-out		2 Slide-out	2 Slide-out		2 Slide-out
			shelves		wire shelves	shelves		wire shelves
			1 Tray chilled room					
			1 vegetable ware					
			1 Guide vegetable					
	Interior lamp		2 (Refrigerator), 1 (Freezer)					
	Movable caster		2 (Rear), 2 (Front)					
	Angle adjustment		2 Legs (Front)					

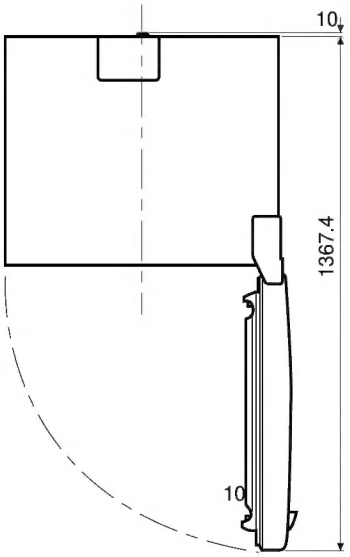
CFC

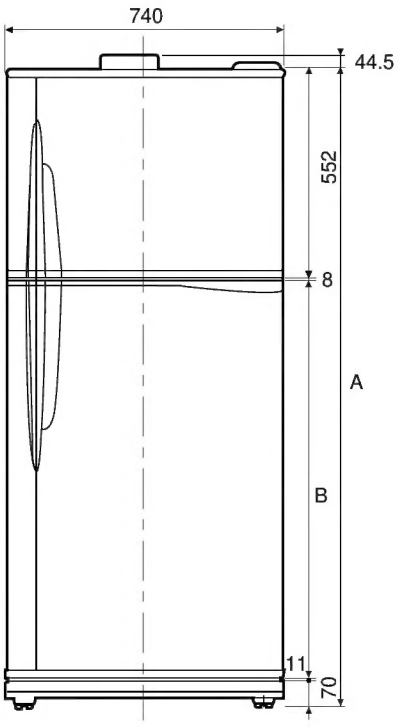
Model name (CFC)			SR-V57	SR-569MV	SR-569LV	SR-V52	SR-519MV	SR-519LV
Option			High	Middle	Low	High	Middle	Low
Type			2-Door Freezer/Refrigerator					
Power soruce			115V/60Hz, 220V/50, 60Hz, 230~240V/50Hz					
Capacity (Net)	Freezer		120LT (4.^{2} cu.ft)					
	Refrigerator		344LT (12.^{1} cu.ft)			304LT (10.^{7} cu.ft)		
	Total		464LT (16.^{3} cu.ft)			424LT (14.^{9} cu.ft)		
Net Dimensions (mm)	Width		740					
	Depth		705					
	Height		1836			1748		
Net weight (Kg)			85			80		
Refrigerant			R-12 / 160Gr					
Temperature control			Automatic (Thermostat)					
Defrosting			Automatic (Start-Finish by Timer)					
Refrigerator cooling type			"X"-FLOW	MULTI-FLOW		"X"-FLOW	MULTI-FLOW	
Foam	Cabinet-insulation		Cyclo-Pentane					
	Door-insulation							
Liner/Door Panel			ABS					
Accessory Parts	Door storage		1 Guard bottle					
			2 Guard freezer					
			3 Guard variety					
			2 Tray egg					
	Inside storage	F	1 Freezer shalf					
			1 Air shower					
			2 Twist tray ice					
			1 Tray ice cube					

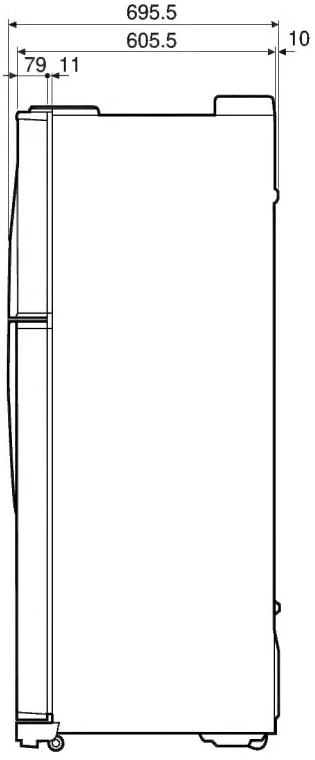
Model name (CFC)			SR-V57	SR-569MV	SR-569LV	SR-V52	SR-519MV	SR-519LV
Option			High	Middle	Low	High	Middle	Low
Accessory Parts	Inside storage	R	2 Slide-out		2 Slide-out	2 Slide-out		2 Slide-out
			shelves		wire shelves	shelves		wire shelves
			1 Tray chilled room					
			1 vegetable ware					
			1 Guide vegetable					
	Interior lamp		2 (Refrigerator), 1 (Freezer)					
	Movable caster		2 (Rear), 2 (Front)					
	Angle adjustment		2 Legs (Front)					

5. Function & Operating Instruction

5-1 Product Dimension

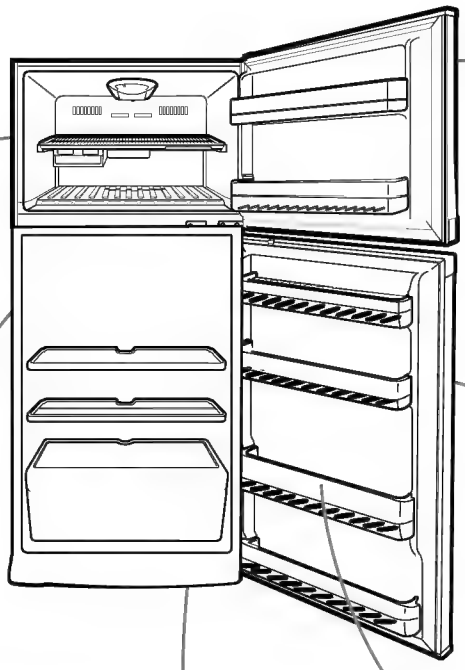






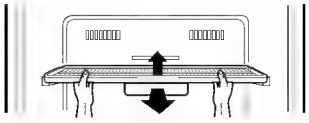
MODEL	A	B	Remark
SR(G)-V52, 519MV, 519LV	1703.5	1062.5	
SR(G)-V57, 569MV, 569LV	1791.5	1150.5	

5-2 Identifying and disassembling the parts



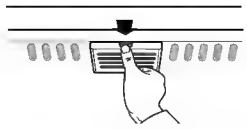
To remove shelves in the freezer compartment

- First remove the icemaking molds. Tilt the shell up at front, then lift it up pull it out of the tracks.



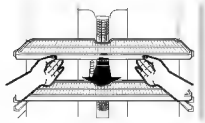
To remove bio deodorizer

- While pushing the front end knob of the bio deodorizer, pull it downward to disengage.



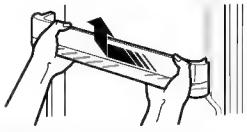
To remove shelves in the fresh food compartment

- Hold the shelf by the front and pull it forward ot of the rack.



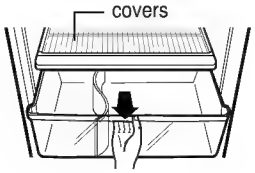
To remove door bins

- While pushing the bin to the left, lift it up to disengage.



To remove storage drawers and covers

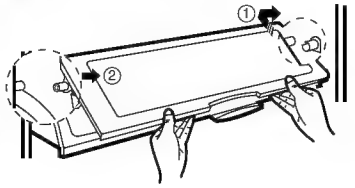
- Lift up to remove the cover. Pull the drawer half way out, then lifting it up, pull it out completely.

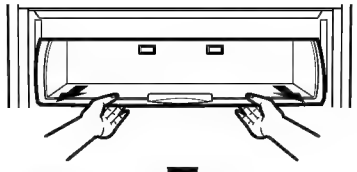


To remove shelves in the super fresh compartment

- Lift up the cover, push the cover to the right (as shown) until the mounting hook(①) disengages, then disengage the other mounting hook (②) and pull out the cover.
- Pull the shelf forward until it stops. then lift it up and pull it out.

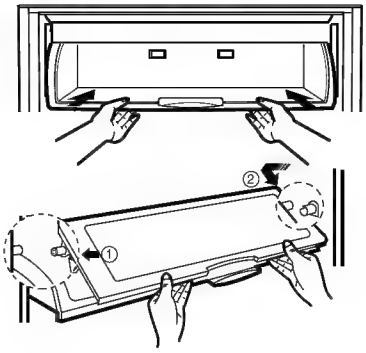
Procedure of disassemble





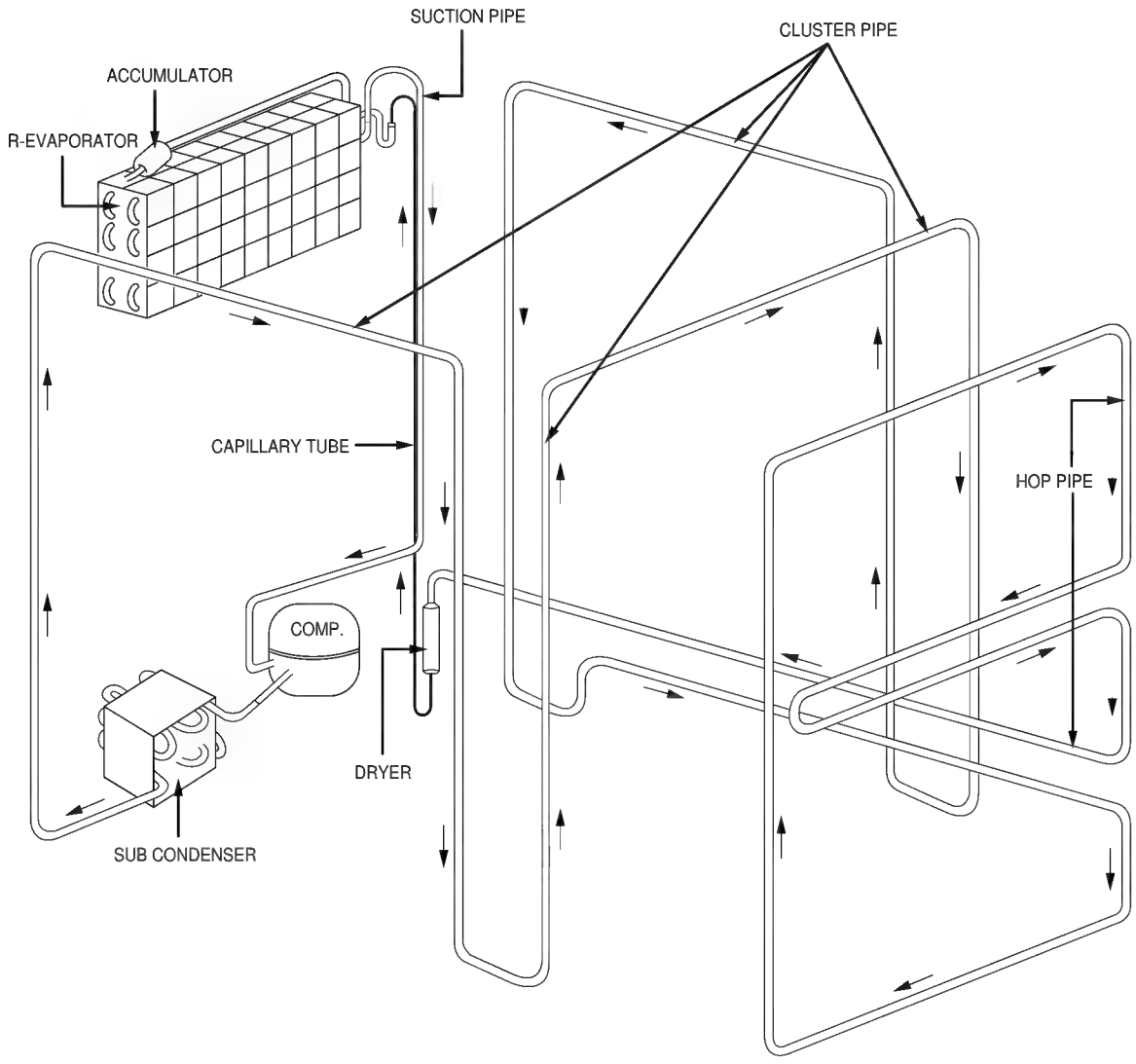
- With shelf front raised slightly, engage, the roller between the rails and slide it back.
- To repace the cover, first engage the mounting hook (①) as shown, then engage the other hook (②) and push in.

Procedure of assemble



5-3 Circuit diagram of the circulation of coolant gas

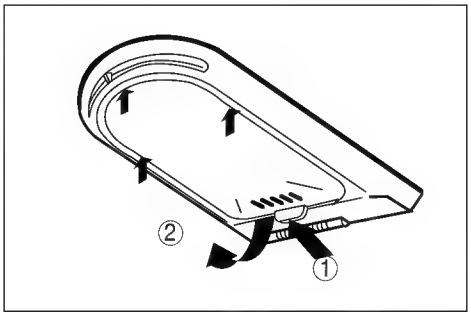
COMPRESSOR SUB CONDENSER CLUSTER PIPE HOT PIPE DRYER CAPILLARY TUBE
R-EVAPORATOR ACCUMULATOR SUCTION PIPE COMPRESSOR



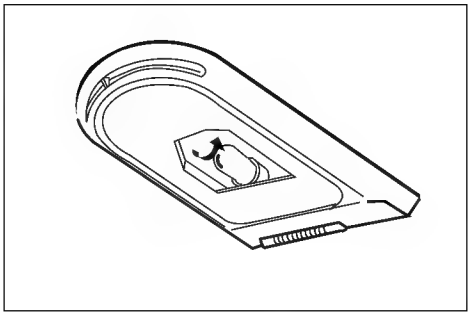
8. Disassembling the freezer compartment

8-1 Replacing light bulb in the freezer compartment

1. Push the knob on the light cover as shown (①) and remove the cover downward (②).

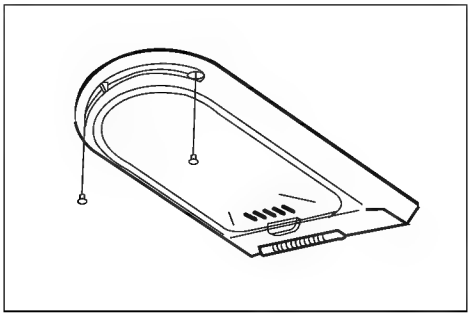


2. Replace the bulb
   (Before replacing, check the voltage and current of the bulb. Use rated bulbs only.)

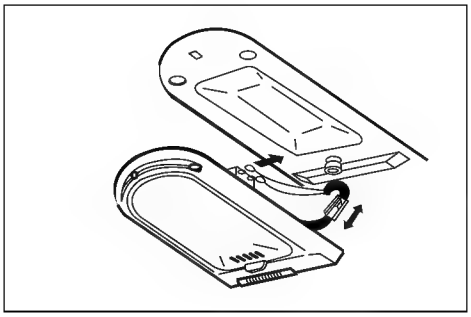


8-2 Disassembling temperature control and the cooling system

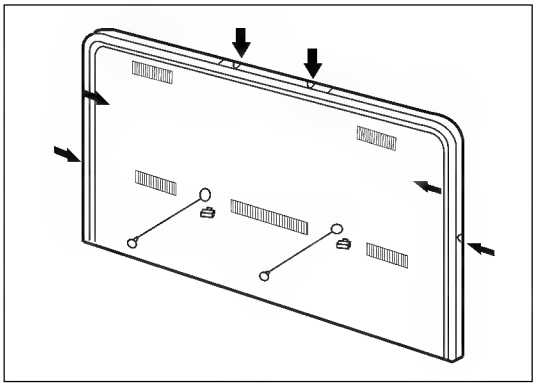
1. Before disassembling, first remove all shelves and food from the freezer compartment.
2. Remove two screws on the front end of the bulb cover.



3. Remove wire terminals of the temperature control and the light bulb.

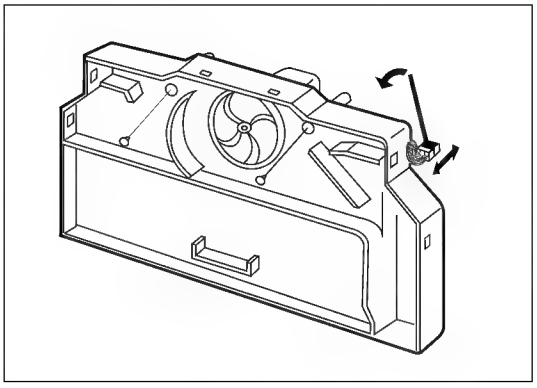


4. Unscrew the cap screws using a driver(–) or an appropriate tool, remove two screws on the cooling system cover, then disengage five mounting hooks.

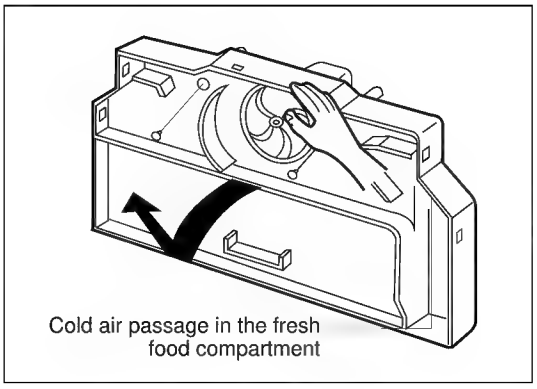


5. Disassemble the wire housing on the upper right corner of the cooling system cover.
6. Remove two screws on the cover.

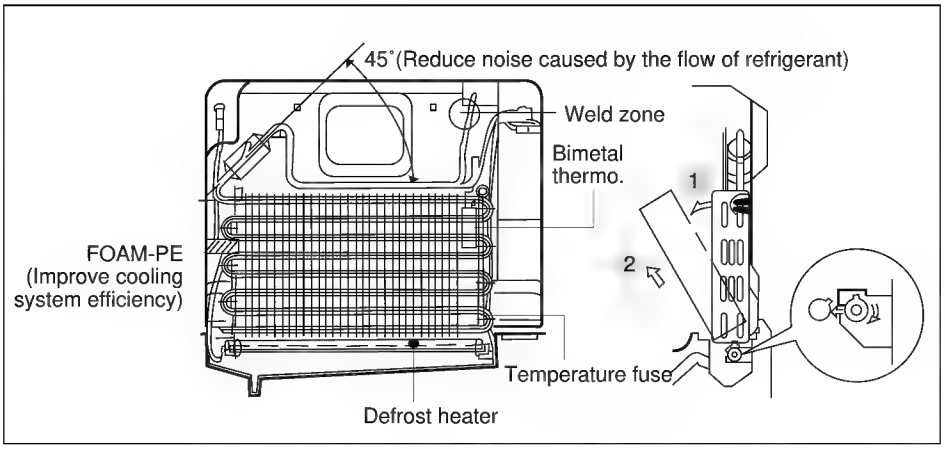
(Caution : Keep screws or foreign substances entering from the cold air passage because it could cause malfunctioning of the temperature control.)



7. Holding the cooling system upper cover, remove the cover by pulling it down and then lifting it up.

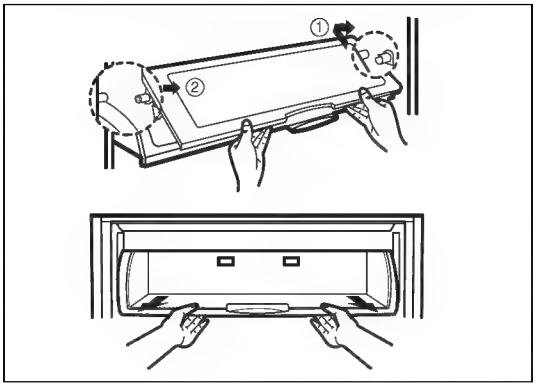


8. Specifications for cooling system assembly

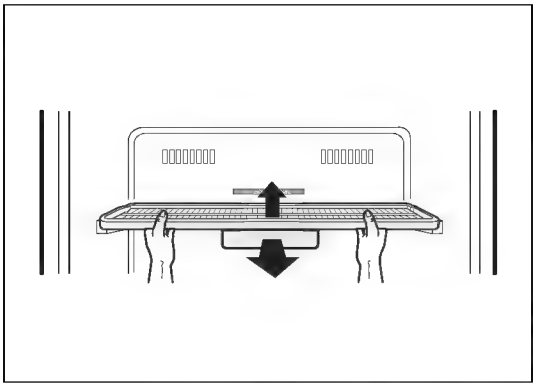


9. Disassembling fresh food compartment

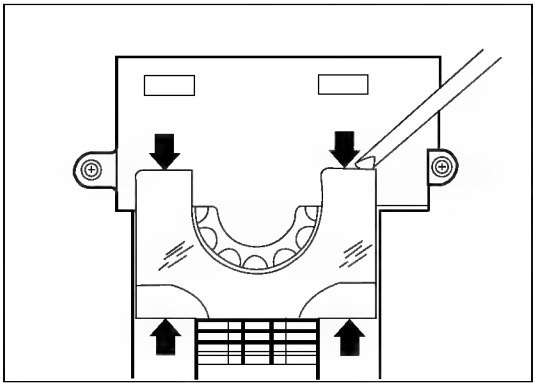
1. Remove the super fresh compartment cover and its shelf.
   - Lift up the cover, push the cover (as shown) until the mounting hook (①) disengages, then disengage the other mounting hook (②) and pull out the cover.
   - Pull the shelf forward until it stops, then lift it up and pull it out.



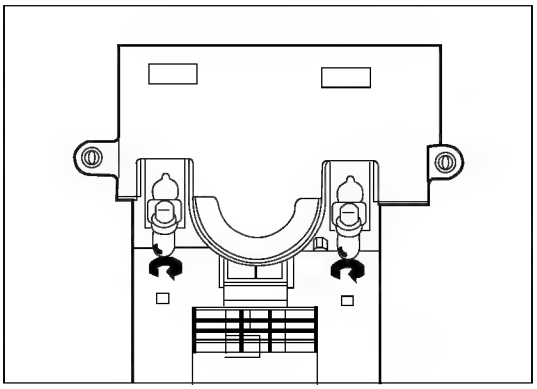
2. Remove the shelves from the fresh food compartment.
   - First remove food from the compartment. With shelf front raised slightly, pull it forward to disengage.



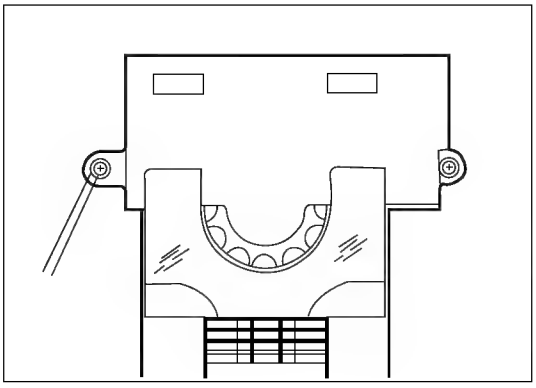
3. Disengage the hooks on the lamp cover of the damper cover.



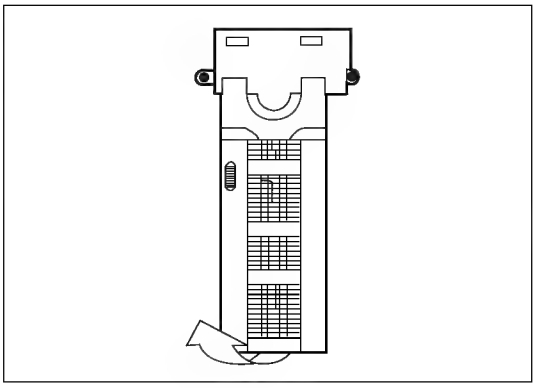
4. Replace the bulb.
   (Before replacing, check the voltage and current of the bulb. Use rated bulbs only.)



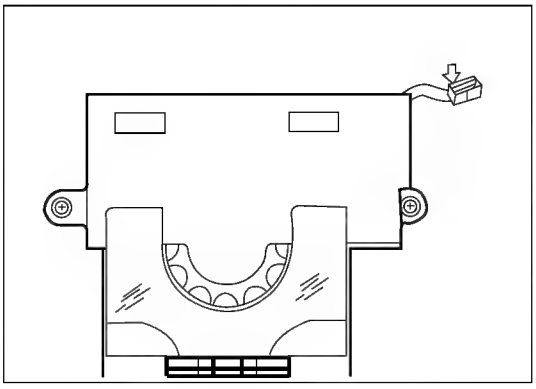
5. Remove the two screws holding the damper cover in place.



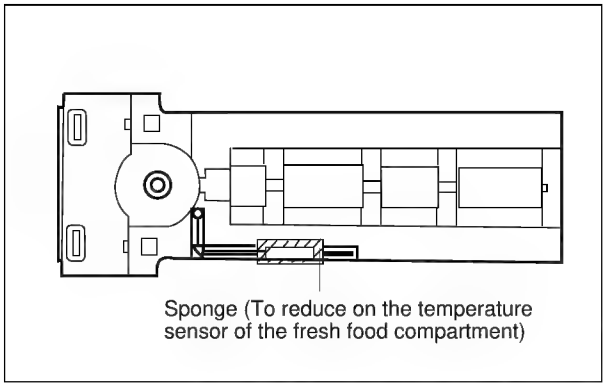
6. Pull the lower part of the damper cover together with the insulation material as shown to disengage the hooks.



7. Disconnect wire connection on the right side of the damper cover.

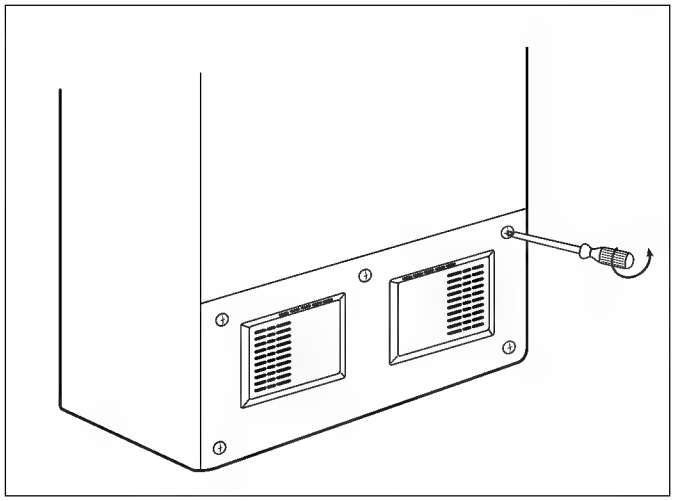


8. Specifications for damper insulation assembly EPS.

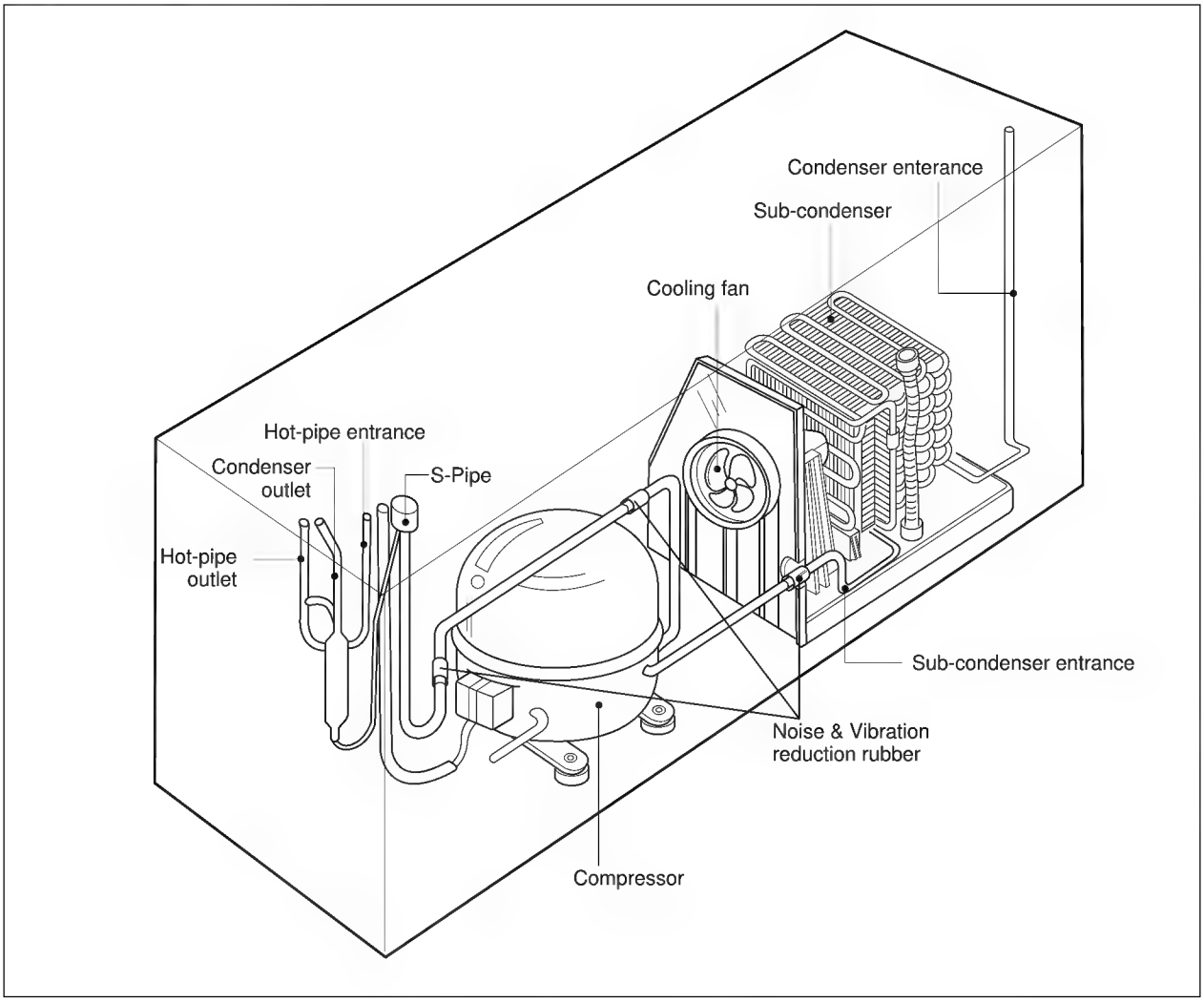


10. Assembly of mechanic compartment in the refrigerator

1. Remove the screws securing the mechanic compartment cover of the back bottom of the refrigerator

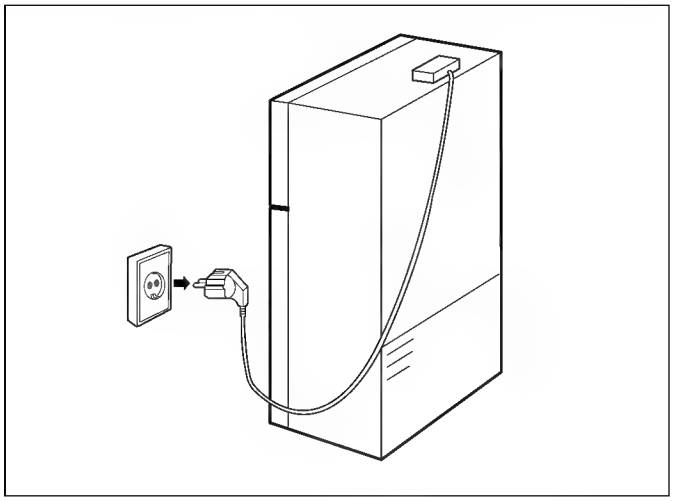


2. Mechanic compartment assembly

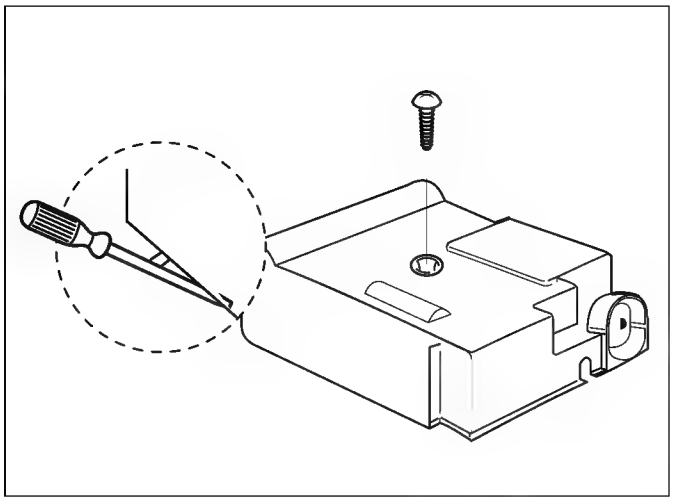


11. Disassembling and assembling the electrical equipment box

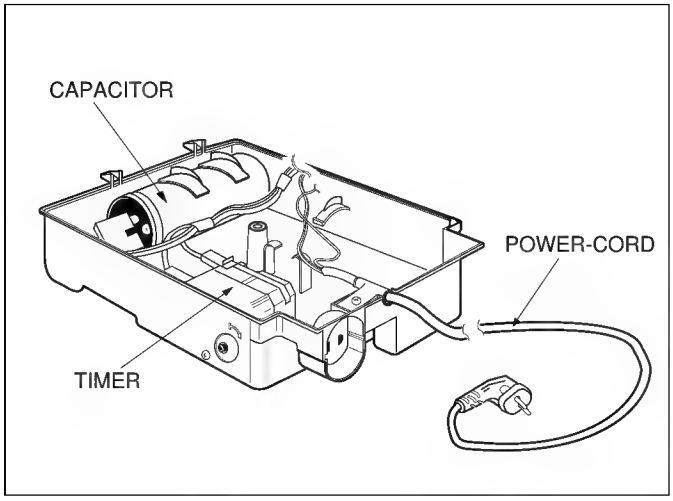
1. Unplug the refrigerator.



2. Remove the screw using a driver (–) and detach the electrical equipment box.



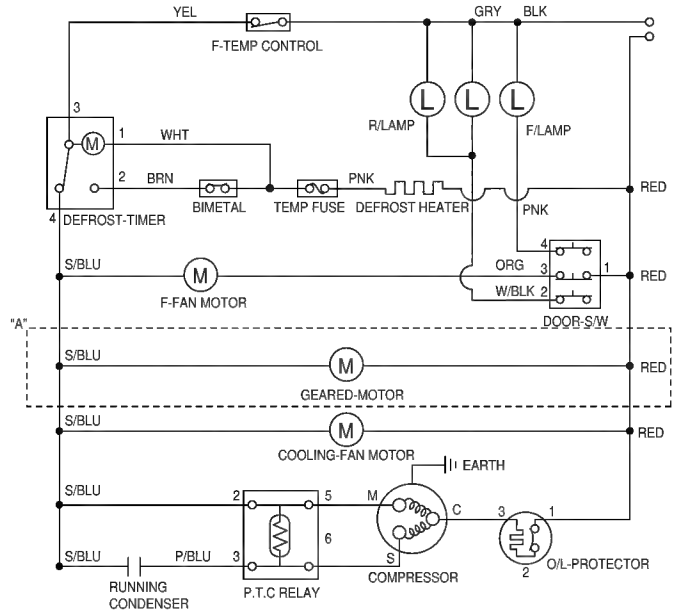
3. Specifications for the electrical equipment box assembly



4. Circuit Diagram

4-1 [110V/60Hz, 115V/60Hz]

[SR(G)-V57, 569MV, 569LV, SR(G)-V52, 519MV, 519MV]

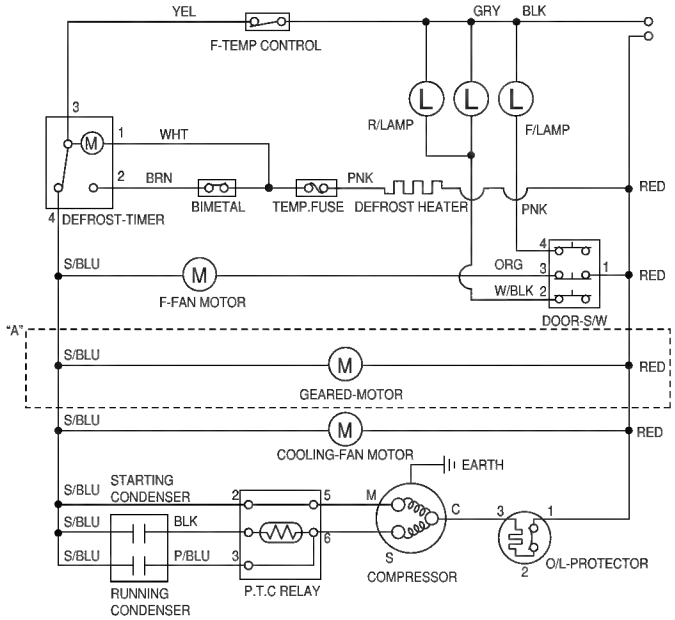


GRY – GRAY
PNK – PINK
BRN – BROWN
WHT – WHITE
YEL – YELLOW
RED – RED
S/BLU – SKY BLUE
BLU – BLUE
BLK – BLACK
W/BLK – WHITE/BLACK
ORG – ORANGE
PRP – PURPLE

"A" – option
only SR(G) – V57
SR(G) – V52

4-2 [220V/50, 60Hz, 230~240V/50Hz]

[SR(G)-V57, 569MV, 569LV, SR(G)-V52, 519MV, 519MV]

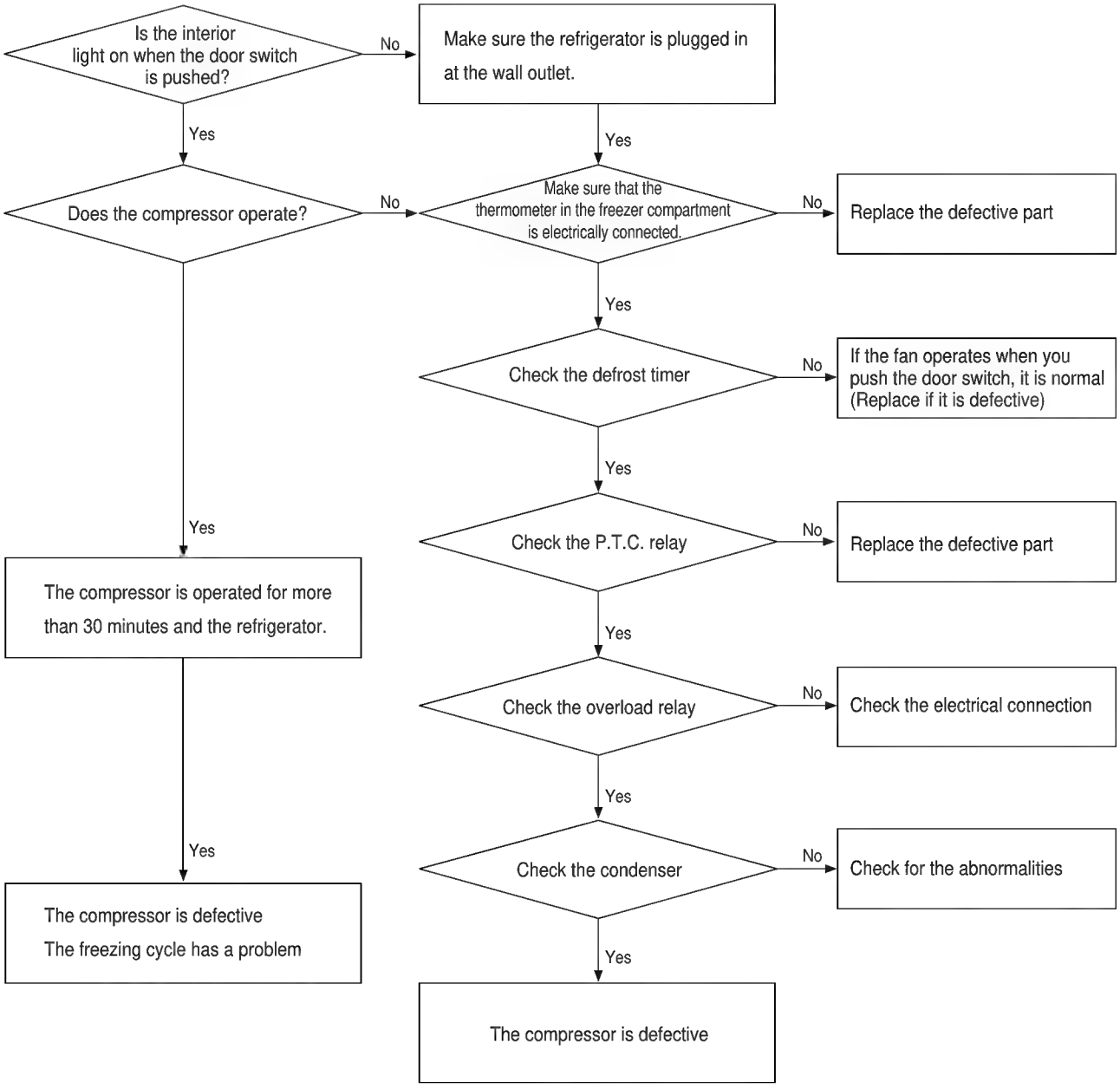


GRY – GRAY
PNK – PINK
BRN – BROWN
WHT – WHITE
YEL – YELLOW
RED – RED
S/BLU – SKY BLUE
BLU – BLUE
BLK – BLACK
W/BLK – WHITE/BLACK
ORG – ORANGE
PRP – PURPLE

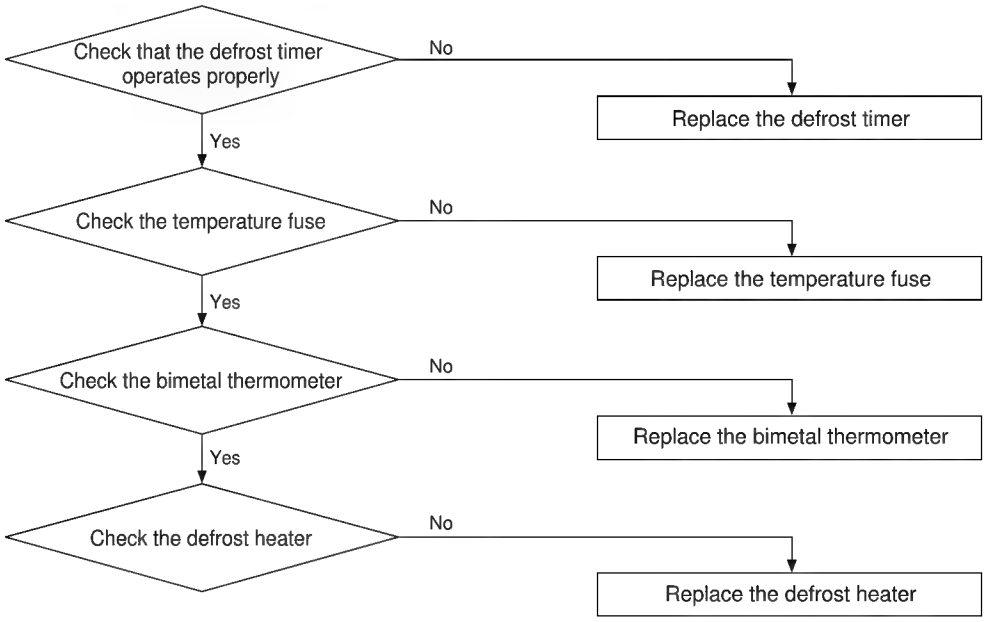
"A" – option
only SR(G) – V57
SR(G) – V52

12. Troubleshooting

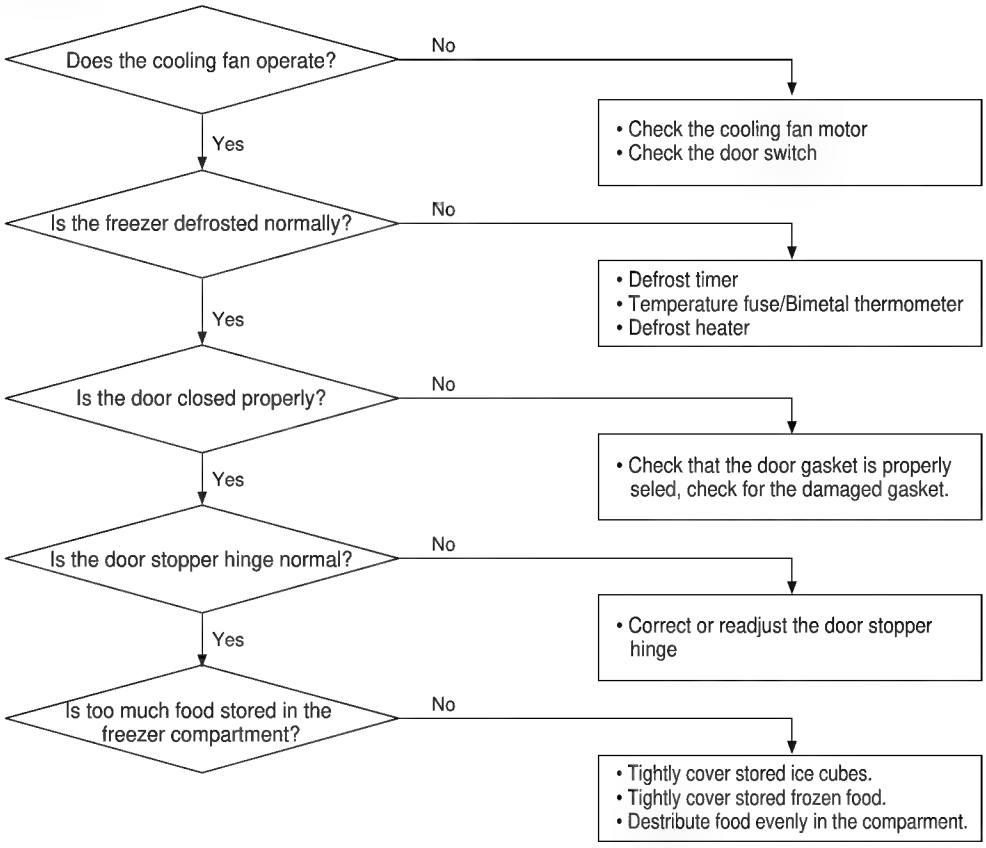
12-1 The refrigerator does not operate



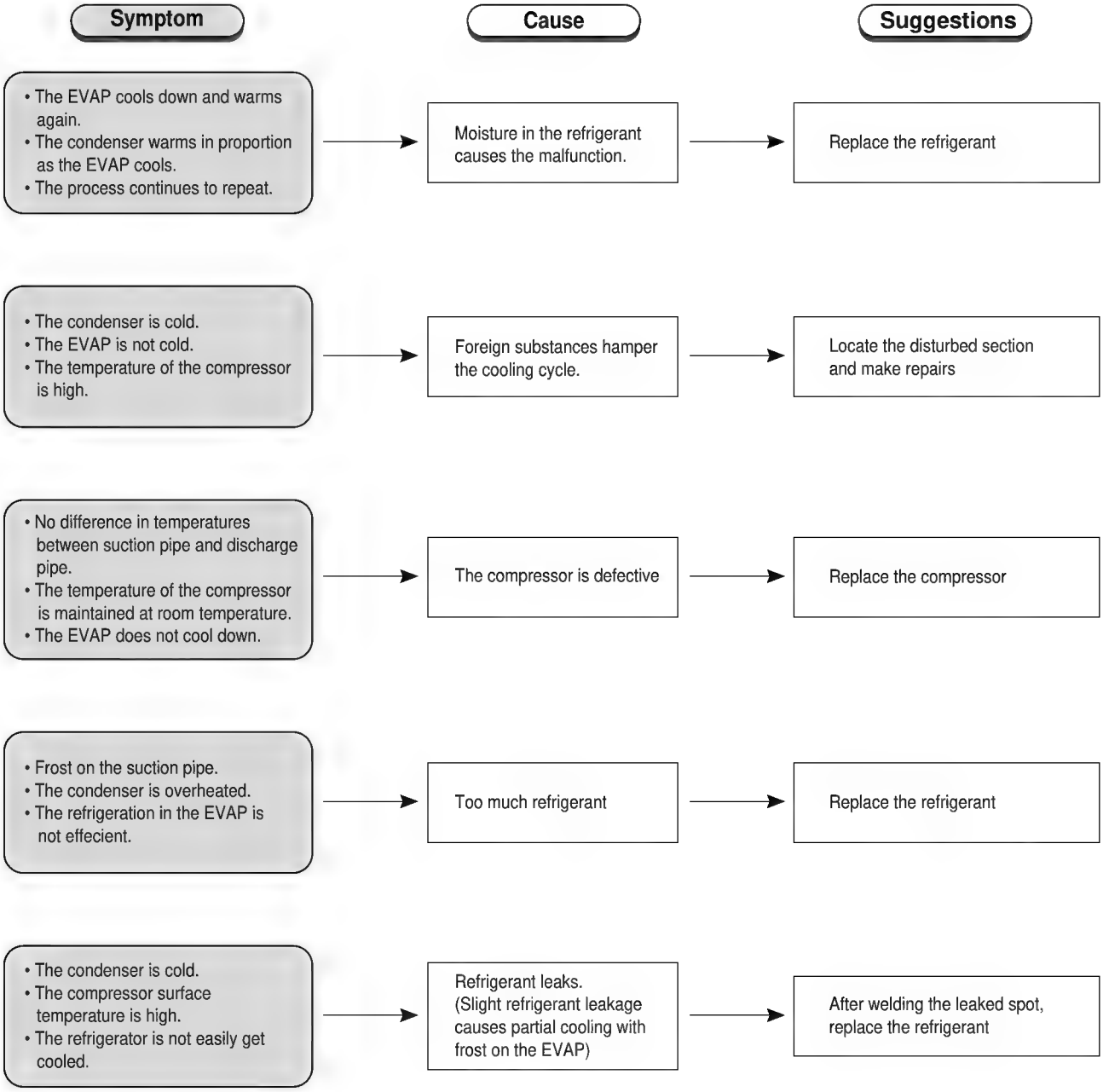
12-2 Defrosting mechanism does not work



12-3 Defrosting mechanism does not work


Does the cooling fan operate?
No
• Check the cooling fan motor
• Check the door switch
Yes
Is the freezer defrosted normally?
No
• Defrost timer
• Temperature fuse/Bimetal thermometer
• Defrost heater
Yes
Is the door closed properly?
No
• Check that the door gasket is properly seled, check for the damaged gasket.
Yes
Is the door stopper hinge normal?
No
• Correct or readjust the door stopper hinge
Yes
Is too much food stored in the freezer compartment?
No
• Tightly cover stored ice cubes.
• Tightly cover stored frozen food.
• Destribute food evenly in the comparment.

12-4 Trouble check for the cooling cycle

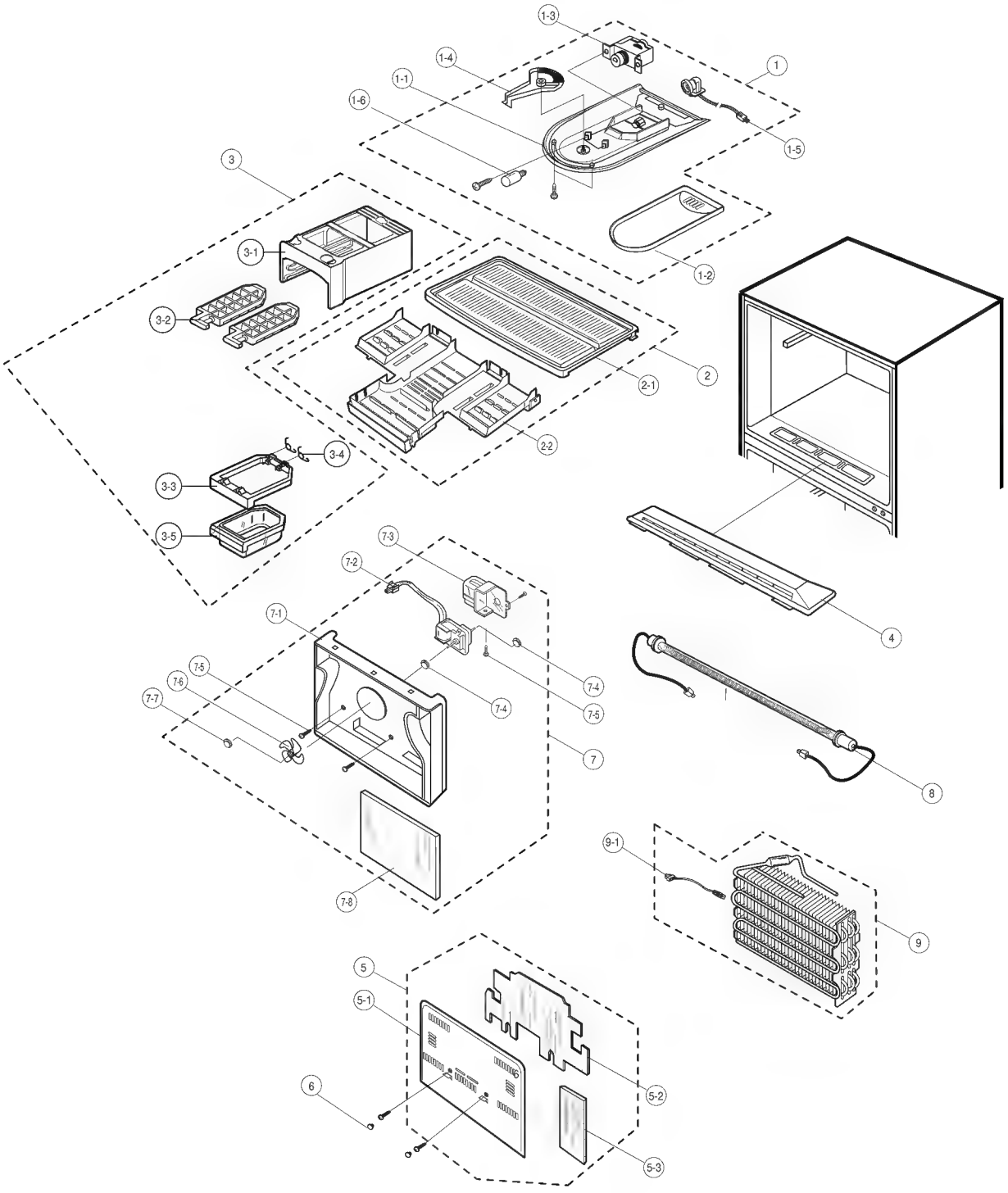

Symptom
Cause
Suggestions
• The EVAP cools down and warms again.
• The condenser warms in proportion as the EVAP cools.
• The process continues to repeat.
Moisture in the refrigerant causes the malfunction.
Replace the refrigerant
• The condenser is cold.
• The EVAP is not cold.
• The temperature of the compressor is high.
Foreign substances hamper the cooling cycle.
Locate the disturbed section and make repairs
• No difference in temperatures between suction pipe and discharge pipe.
• The temperature of the compressor is maintained at room temperature.
• The EVAP does not cool down.
The compressor is defective
Replace the compressor
• Frost on the suction pipe.
• The condenser is overheated.
• The refrigeration in the EVAP is not effecient.
Too much refrigerant
Replace the refrigerant
• The condenser is cold.
• The compressor surface temperature is high.
• The refrigerator is not easily get cooled.
Refrigerant leaks.
(Slight refrigerant leakage causes partial cooling with frost on the EVAP)
After welding the leaked spot, replace the refrigerant

12-5 Diagnosing the main components

<table>
<tr><th>Components</th><th>Diagnosing methods and criteria</th><th>Location</th></tr>
<tr><td>Compressor</td><td>• Use the tester to measure the resistance.
– Bring the component to cool down completely before measuring.
<table>
<tr><th>Measuring point</th><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Primary wire</td><td>Approx 10 ~ 500kΩ</td><td rowspan="2">0Ω and∞Ω</td></tr>
<tr><td>Secondary wire</td><td>3 ~ 20Ω</td></tr>
</table></td><td>Mechanical compartment</td></tr>
<tr><td>P.T.C Relay</td><td>• Use the tester to measure the resistance.
– Bring the component to cool down completely before measuring.
<table>
<tr><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Approx 10Ω ~ kΩ</td><td>0Ω and ∞Ω</td></tr>
</table></td><td>Mechanical compartment</td></tr>
<tr><td>Condenser</td><td>• Use the tester to measure the resistance.
– Bring the component to cool down completely before measuring.
<table>
<tr><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Approx 10Ω ~ 80kΩ</td><td>0Ω and ∞Ω</td></tr>
</table></td><td>Electrical equipment box</td></tr>
<tr><td>Overload relay</td><td>• Use the tester to measure the resistance.
<table>
<tr><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Approx 200kΩ</td><td>0Ω and ∞Ω</td></tr>
</table></td><td>Mechanical compartment</td></tr>
<tr><td>Freezer compartment circulation Fan motor</td><td>• Use the tester to measure the resistance.
– Bring the component to cool down completely before measuring.
<table>
<tr><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Approx 100Ω ~ 20kΩ</td><td>0Ω and ∞Ω</td></tr>
</table></td><td>Mechanical compartment.
Freezer compartment.</td></tr>
<tr><td>Rotating blade motor</td><td>• Use the tester to measure the resistance.
– Bring the component to cool down completely before measuring.
<table>
<tr><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Approx 10Ω ~ 20kΩ</td><td>0Ω and ∞Ω</td></tr>
</table></td><td>Fresh food compartment</td></tr>
<tr><td>Door switch</td><td>• Use the tester to measure the resistance.
<table>
<tr><th>Measuring point</th><th>Normal</th><th>Abnormal</th></tr>
<tr><td>A B contact point</td><td rowspan="2">Approx 200MΩ</td><td rowspan="2">MΩ and∞Ω</td></tr>
<tr><td>When the switch is on by the contact</td></tr>
</table></td><td>Between the upper and the lower doors</td></tr>
<tr><td>Defrost timer</td><td>• Use the tester to measure the resistance.
<table>
<tr><th>Measuring point</th><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Between terminals</td><td>Approx 200MΩ</td><td rowspan="2">0Ω and ∞Ω</td></tr>
<tr><td>Temperature fuse termina</td><td>Approx 10Ω~300KΩ</td></tr>
</table></td><td>Electrical equipment box</td></tr>
<tr><td>Defrost heater</td><td>• Use the tester to measure the resistance.
– Bring the component to cool down completely before measuring.
<table>
<tr><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Approx 3KΩ ~ 6KΩ</td><td>MΩ ~ ∞Ω</td></tr>
</table></td><td>Lower EVAP</td></tr>
<tr><td>Bimetal
Temperature fuse</td><td>• Use the tester to measure the resistance.
<table>
<tr><th>Measuring point</th><th>Normal</th><th>Abnormal</th></tr>
<tr><td>Bimetal terminal</td><td rowspan="2">Approx 200MΩ</td><td rowspan="2">Ω ~ ∞Ω</td></tr>
<tr><td>Temperature fuse terminal</td></tr>
</table></td><td>EVAP</td></tr>
</table>

7. Exploded View and Parts List

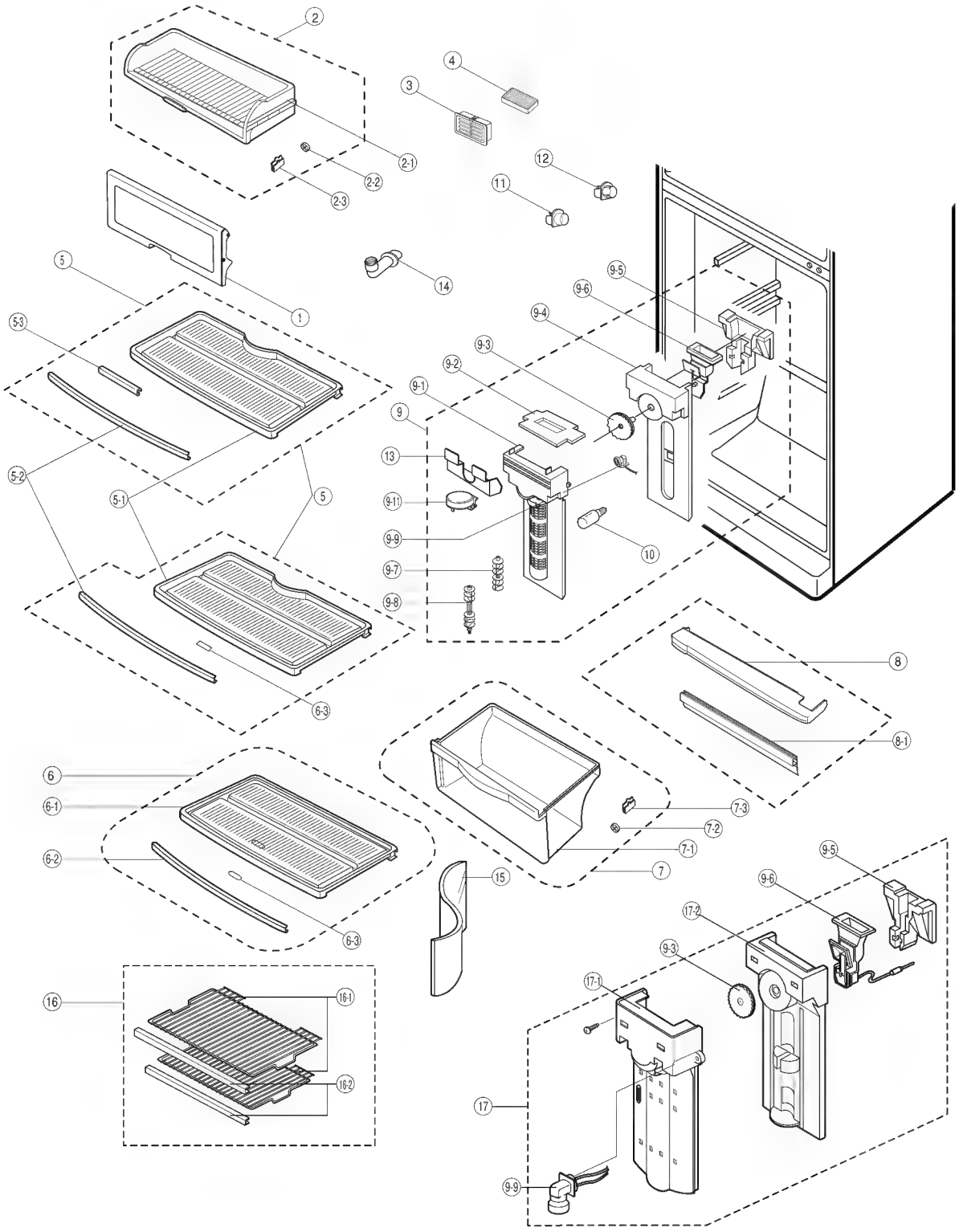
7-1 Freezer



NO		SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	OPTION Q'TY M	OPTION Q'TY L	REMARKS
1	⚠	DA67-10410D		CASE-THERMO, FRE ASS'Y	110V/60㎐	1 SET			
	⚠	DA67-10410B		"	220V/50, 60Hz	1 SET			
	⚠	DA67-10410C		"	240V/50Hz	1 SET			
1-1		DA67-10119		CASE-THERMO, FRE	ABS	1			
1-2		DA63-10337C		COVER-LAMP, FRE	MIPS	1			
1-3		DA47-10107F		THERMOSTAT	PFN 174S O5B	1			
1-4		DA66-30122B		LEVER-THERMO, FRE	PC/ABS	1			
1-5		DA47-40112L		LAMP-HOLDER	E14	1			
1-6	⚠	4713-000178		LAMP	110V/15W	1			
	⚠	4713-000188		"	220V/15W	1			
	⚠	4713-000213		"	240V/15W	1			
2		DA67-20166E		SHELF-FRE, ASS'Y	GPPS	1 SET			
2-1		DA67-20132A		SHELF-FRE	GPPS	1			
2-2		DA67-20274A		SHELF-FRE(SB)	P.P WHT	1			
3		DA67-40313A		TRAY-ICE, ASS'Y	HIPS + P.P	1 SET			
3-1		DA71-70160A		GUIDE-TRAY ICE	HIPS	1			
3-2		DA67-40180A		TRAY-ICE(A)	P.P	2			
3-3		DA67-10126A		CASE-TRAY, ICE	HIPS	1			
3-4		DA67-20119A		SPRING-ICE	PI1.⁰ L162.⁶	2			
3-5		DA67-10210A		TRAY-ICE, CUBE(A)	GPPS	1			
4		DA63-10886A		COVER-AIR, FRE	HIPS	1			
5		DA63-10884B		COVER-EVAP, FRE, ASS'Y	HIPS	1 SET			
5-1		DA63-10885A		COVER-EVAP, FRE	HIPS	1			
5-2		DA72-60369A		SEAL-COVER, EVAP FRE.A		1			
5-3		DA72-60049A		SEAL-FOAM, PE		1			
6		DA67-30218B		CAP-SCREW	P.P	2			
7	⚠	DA63-10887C		ASS'Y-COVER EVAP. FRE(RE)	110V	1 SET			
	⚠	DA63-10887D		"	220V	1 SET			
	⚠	DA63-10887B		"	240V	1 SET			
7-1		DA63-10888A		COVER-EVAP, FRE(RE)	P.P	1			
7-2	⚠	DA31-10109H		MOTOR-FAN	AMRHB-010ZQEA	1			110V/60㎐
	⚠	DA31-10109G		"	AMRHB-010WTEA	1			220V/50, 60Hz
	⚠	D731-10109J		"	AMRHB-010UVEA	1			240V/50Hz

NO		SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	OPTION Q'TY M	OPTION Q'TY L	REMARKS
7-3		DA63-10364A		COVER-MOTOR, FAN	P.P		1		
7-4		DA63-40119A		GROMMET-FAN, MOTOR	NBR		2		
7-5		6002-000224		SCREW-TAP	TH2, 4X12		2		
7-6		DA31-20002A		FAN			1		
7-7		DA61-20128C		SPRING-FAN	STS 27 ID7.6		1		
8	⚠	DA47-20195C		HEATER-DEFROST	110V/155W		1		
	⚠	DA47-20195E		"	220V/155W		1		
	⚠	DA47-20195B		"	240V/155W		1		
9	⚠	DA59-40200A		EVAP-ASS'Y	AL		1 SET		
9-1	⚠	DA47-10103		BIMETAL-THERMO	AC250V/5A		1		

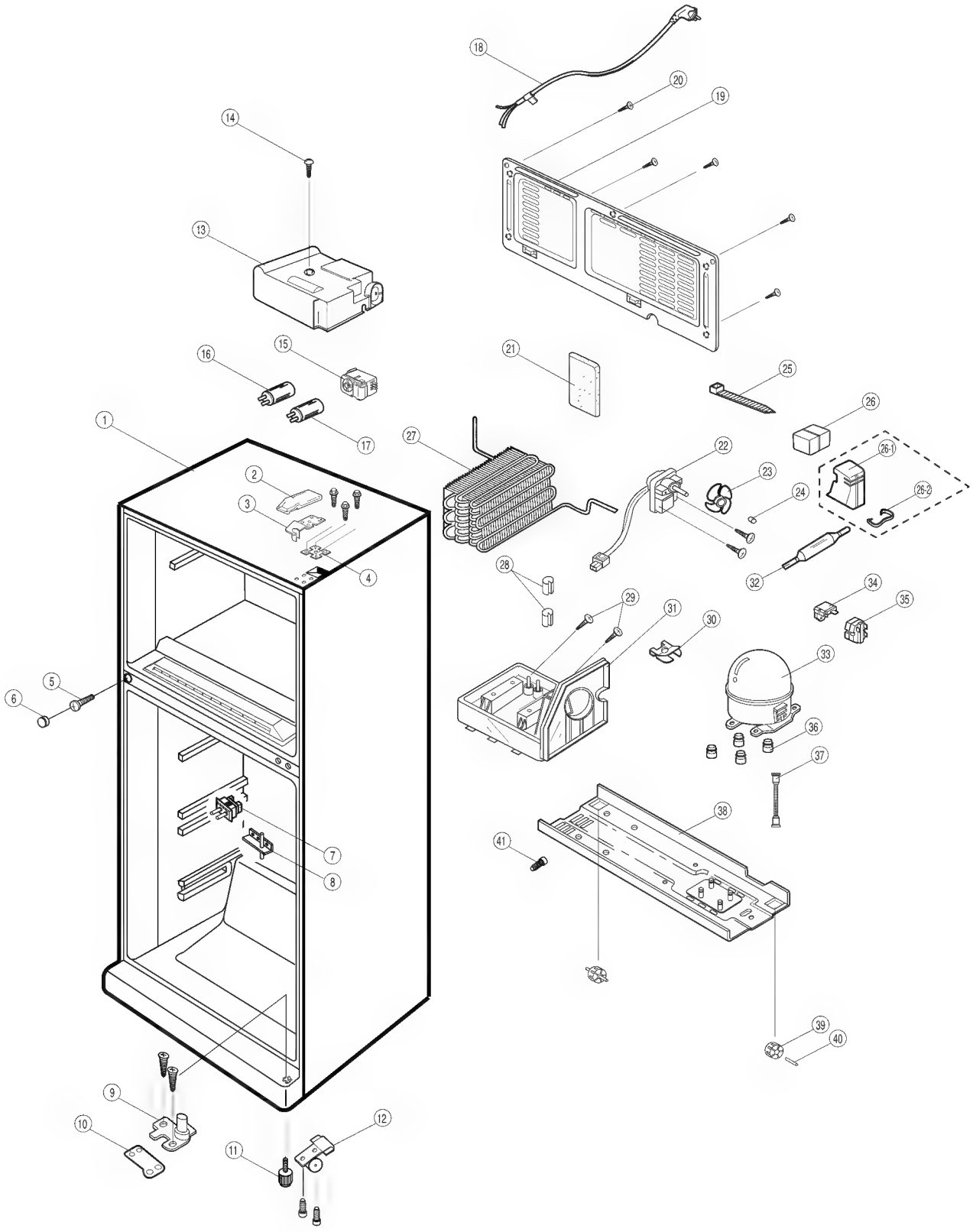
7-2 Refrigeration room



NO	SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	OPTION Q'TY M	OPTION Q'TY L	REMARKS
1	DA63-10238A		COVER CHILLED-ROOM ASS'Y	HIPS + P.P	1SET			
2	DA67-40286A		TRAY CHILLED-ROOM ASS'Y	HIPS	1SET			
2-1	DA67-40285A		TRAY CHILLED ROOM	GPPS	1			
2-2	DA66-10104A		ROLLER FREE	POM	4			
2-3	DA71-20145A		FIXER ROLLER	NY-66	2			
3	DA63-10461B		CAP-PURIFIER	ABS 87068 B LF. LG	1			
4	DA62-90106B		CATALYST-LTC	W40 L70 AKH 12SLB	1			
5	DA67-20166C		SHELF-REF ASS'Y	GPPS + AL	2SET	2SET	–	
5-1	DA67-20132C		SHELF REF	GPPS	2	2	–	
5-2	DA64-20114A		TRIMMER-SHELF. REF	AL	2	2	–	
5-3	DA64-20112A		TRIMMER SHELF	PE,NTR,L50	8	8	–	
6	DA67-20273B		SHELF-REF LOW ASS'Y	GPPS + AL	1SET			
6-1	DA67-20272A		SHELF-REF. LOW	GPPS CRYSTAL	1			
6-2	DA64-20114A		TRIMMER-SHELF REF	AL	1			
6-3	DA68-50153D		INLAY-COVER, VEGE	PET	1			
7	DA67-10397B		CASE-VEG. ASS'Y					
7-1	DA67-10396A		CASE-VEG	GPPS	1			
7-2	DA66-10104A		ROLLER FREE	POM	4			
7-3	DA71-20145A		FIXER ROLLER	NY-66	4			
8	DA63-10882A		COVER.LEG FRONT	ABS	1			
8-1	DA64-20138C		TRIM-PLATE ABSORB	PVC	1			
9	DA63-10889D		COVER-DUCT, ASS'Y	110V	1SET	–	–	
	(DA63-10889J)							
	DA63-10889C		COVER-DUCT, ASS'Y	220V~240V	1SET	–	–	
	(DA63-10889H)							
9-1	DA63-10881B		COVER-DUCT	HIPS, SC-93437R	1	–	–	
9-2	DA72-60253B		SEAL-M/F	T10 X W83 X L234	1			
9-3	DA64-40141H		KNOB-D/P, THERMO	ABS	1	1	–	
	(DA64-40414K)							
9-4	DA72-40436A		INS-DAMPER(A)	FOAM-PS	1	–	–	
9-5	DA72-40439A		INS-DAMPER(B)	"	1			
9-6	DA67-10264D		CASE-THERMO, ASS'Y	220-SB 705-E9C	1			

NO		SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	M	L	REMARKS
9-7		DA31-20124D		BLADE-DAMPER(A)	HIPS	1	–	–	
9-8		DA31-20124C		BLADE-DAMPER(B)	HIPS	1	–	–	
9-9		DA47-40114C		LAMP-HOLDER	250V/1A		1		
9-10		DA60-40104B		WASHER-PLAIN	T1.0	1	–	–	
9-11	⚠	DA31-10107E		MOTOR-GEARED	M2BC18AR02	1	–	–	110V
	⚠	DA31-10107D		"	M2LC18AR02	1	–	–	220~240V
10	⚠	4713-000178		LAMP	110V/15W		2		
	⚠	4713-000188		"	220V/15W		2		
	⚠	4713-000213		"	240V/15W		2		
16		DA67-20179P		WIRE-SHELF, REF ASS'Y	MSWR+PVC	–	–	2	
16-1		DA67-20285A		WIRE-SHELF, REF	MSWR+PE COAT.	–	–	2	
16-2		DA64-20150Q		TRIM-SHELF	PVC	–	–	2	
17		DA63-10970C		ASS'Y-DUCT, REF(MID)		–	1 SET	–	MULTI-FLOW
17-1		DA63-10921A		COVER-DUCT	HIPS	–	1	1	"
17-2		DA72-40450A		INS-DAMPER(A)	FOAM-PS	–	1	1	"
17		DA63-10970A		ASS'Y-DUCT, REF(LOW)		–	–	1 SET	"
9-3		DA64-40141J		KNOB-D/P, THERMO	ABS	–	–	1	"
17		(DA63-10970B)		ASS'Y-DUCT, REF(M, L)		–	1 SET	1 SET	[SR(G)-519]
9-3		(DA64-40104L)		KNOB-D/P, THERMO	ABS	–	1	1	"

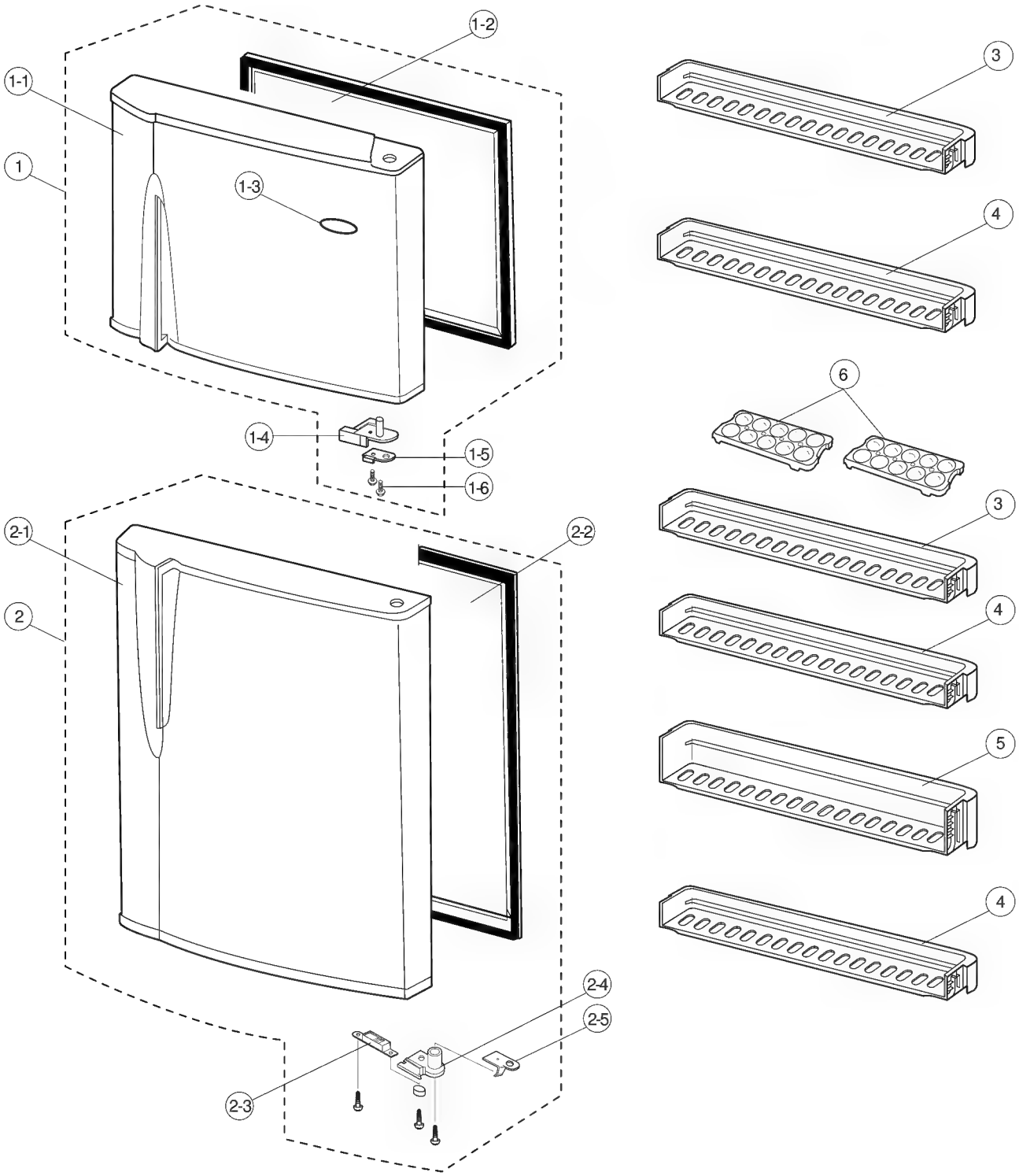
7-3 Cabinet Parts & Unit



NO		SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	OPTION Q'TY M	OPTION Q'TY L	REMARKS
1		DA90-10172E		ASS'Y-CABI, FOAM	110V		1 SET		
		DA90-10172C		"	220V		1 SET		
		DA90-10172D		"	240V		1 SET		
2		DA63-10399A		COVER-HINGE, UPP	HIPS		1		
3		DA61-10151A		HINGE-UPP	SHP1 T3.2		1		
4		DA63-50145A		SHIM-HINGE UPP	RD-PVC T1.0		1		
5		DA60-10004A		SCREW-TAP	PH M5 L10		1		
6		DA67-30218B		CAP-SCREW	P.P		1		
7	⚠	DA34-10122C		SWITCH-DOOR	250V/0.7A		1		
8		DA61-10146A		HINGE-MID, ASS'Y			1		
9		DA61-10145A		HINGE-LOW	SHP1 T3.6		1		
10		DA63-50146A		SHIM-HINGE, LOW			3		
11		DA61-30103A		LEG-FRONT	P.P ZPC2		2		
12		DA61-40110A		ASS'Y-MOVING CASTER			2		
13		DA67-10398A		CASE-JUNCTION	P.P(HF21 V0)		1		
14		6002-000213		SCREW-TH	TH1, 4 X12		1		
15	⚠	DA45-10003F		TIMER-DEFROST	110V/60Hz		1		
	⚠	DA45-10003E		"	220V~240V		1		
16	⚠	2401-000511		CAPACITOR-RUNNING	12.0μF/250VAC		1		110V, 115V
	⚠	2501-000401		"	5μF/350VAC		1		220V, 240V
17	⚠	2501-000275		CAPACITOR-STARTING	125μF/125VAC		1		110V
	⚠	2501-000422		"	100μF/125VAC		1		115V
18	⚠			POWER-CORD			1		Buyer option
19		DA63-10243B		COVER-COMP, ASS'Y			1 SET		
20		6002-000213		SCREW	TH 4X12		5		
21		DA72-60019A		SEAL-ABSORB			1		
22	⚠	DA31-10110G		MOTOR-CIRCUIT	110V/60Hz		1		
	⚠	DA31-10110F		"	220V/50, 60Hz		1		
	⚠	DA31-10110H		"	240V/50Hz		1		
23		DA31-20102A		FAN	ABS ø120		1		
24		DA61-20128A		SPRING-FAN	STS 27		1		
25		DA67-30218B		CABLE-TIE	Ny66		1		
26		DA63-10341A		COVER RELAY	NORYL		1		

NO		SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	OPTION Q'TY M	OPTION Q'TY L	REMARKS
26-1		DA63-10722A		COVER-RELAY	NORYL	1			SD362C ONLY
26-2		DA65-20113A		CLAMP-RELAY COVER	STC5	1			SD362C ONLY
27		DA73-10314B		PIPE-SUB, COND ASS'Y		1 SET			
28		DA63-40128A		GROMMET-SUB, COND	NR	2			
29		DA60-10105A		SCREW-TAPPING	PH 4X20	2			
30		DA65-20101A		CLAMP-COMP	STC5 T0.6	2			
31		DA67-40176B		TRAY-DRAIN, WATER ASS'Y	P.P	1 SET			
32		DA73-30102A		DRYER	CU O, D18.85, L119	1			
33	⚠	SK170E-L2W		COMPRESSOR	110V/60Hz	1 SET			NON-CFC
	⚠	SK182H-L2U		"	220V/50Hz	1 SET			"
	⚠	SK182Q-L2U		"	240V/50Hz	1 SET			"
	⚠	SD362C-L2W2		"	115V/60㎐	1 SET			CFC
	⚠	SK370H-L2U		"	220V/50, 60Hz	1 SET			"
	⚠	SK370Q-L2U		"	240V/50Hz	1 SET			"
34	⚠	DA34-10003P		O/L-PROTECTOR	4TM444NHBYY-53	1			(110V/60㎐) NON-
	⚠	DA34-10003N		"	4TM308PHBYY-53	1			CFC
	⚠	DA34-10003K		"	4TM232SHBYY-53	1			(220V/50㎐) NON-
	⚠	DA34-10004G		"	4TM419NHBYY-53	1			CFC
	⚠	DA34-10003M		"	4TM293SHBYY-53	1			(240V/50㎐) NON-
35	⚠	DA35-10002C		PTC-RELAY	912X32E100MQ 16APE3	1			CFC
	⚠	DA35-10003L		"	PTHAS-T220M 350D	1			(115V/60㎐) CFC
	⚠	DA35-10002D		"	912X35E330MT 20APE2	1			(220V/50, 60Hz) CFC
36		DA63-40128A		GROMMET-COMP.	NBR BLCK	4			110, 115V/60Hz
37		DA73-30131A		HOSE-DRAIN(SUB)	LDPE	1			220V/50, 60Hz
38		DA71-60183A		CHASSIS-COMP.	SBHG1 T1.2	1			240V/50Hz
39		DA61-40101A		CASTER-REAR		2			
40		DA60-90101A		RIVET-CASTER	MSWR 10	1			
41		DA60-10107A		SCREW-EARTH	M4X10	1			

7-4 Door parts

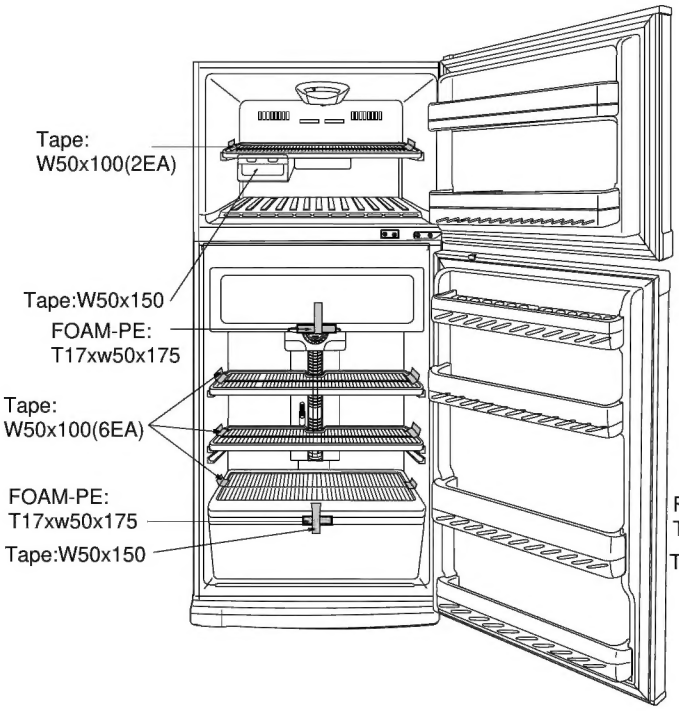


NO	SRG-V57 (SRG-V52) NON-CFC CODE-NO	SR-V57 (SR-V52) CFC CODE-NO	DESCRIPTION	SPECIFICATION	OPTION Q'TY H	OPTION Q'TY M	OPTION Q'TY L	REMARKS
1	DA91-10250A (DA91-10250C)		ASS'Y FOAM DOOR FRE			1		
1-1	DA70-10282A		PLATE DOOR FRE	CR		1		
1-2	DA72-20183A		PANEL-DOOR FREE	ABS+SAN		1		
1-3	DA68-50118B (DA68-50118T)		INLAY-MASCOT			1		OPTION
1-4	DA71-40119A		STOPPER DOOR FRE	POM		1		
1-5	DA71-40133A		STOPPER DOOR. C	SCP1 T2.0		1		
1-6	6001-000061		SCREW. TAP TH	M 4X12 STS 304		2		
2	DA91-10251C (DA91-10251D)		ASS'Y FOAM DOOR REF			1		
2-1	DA71-10005B (DA70-10282B)		PLATE DOOR REF	SCP1 T0.8		1		
2-2	DA72-20183B (DA72-20183C)		PANEL	ABS+SAN		1		
2-3	DA66-90111C		ASS'Y-AUTO CLOSE			1		
2-4	DA63-40118B		GROMMET-HINGE. MID			1		
2-5	DA71-40135A		STOPPER-MID	STS304 T2.0		1		
3	DA63-20123F		GUARD FRE (UP)	GPPS		3		
4	DA63-20124F		GUARD FRE (LW)	GPPS		2		
5	DA63-20125F		GUARD BOTTLE (A)	GPPS		1		
6	DA67-40157A		TRAY EGG	GPPS		2		

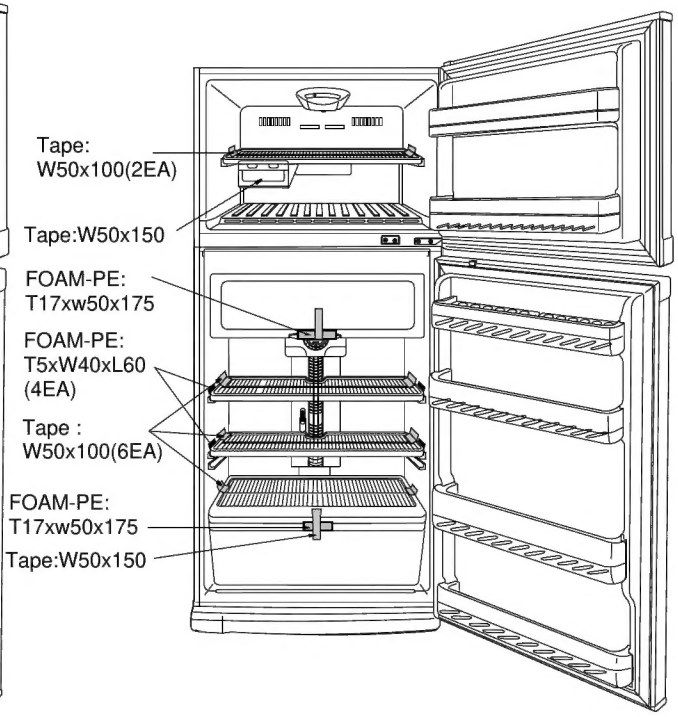
13. Specifications of Package (Export Model)

Door, Inside storage

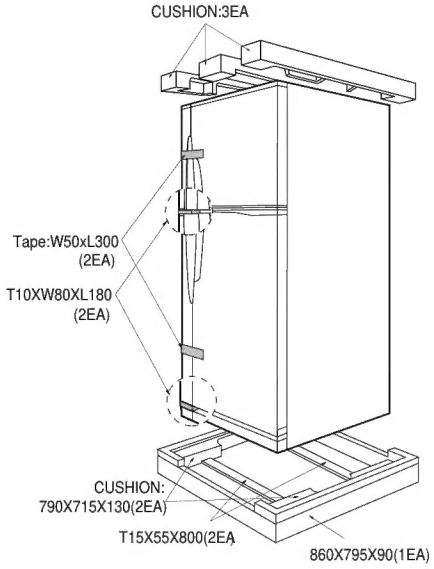
[OPTION : HIGH, MID]

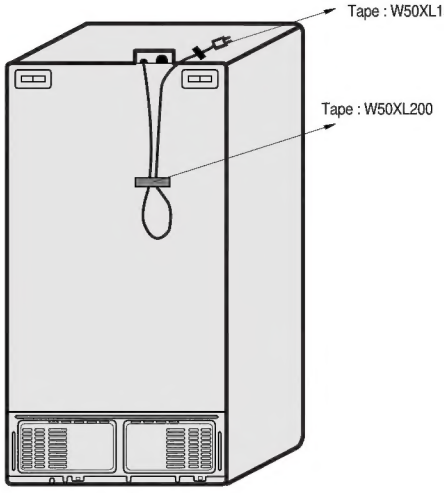


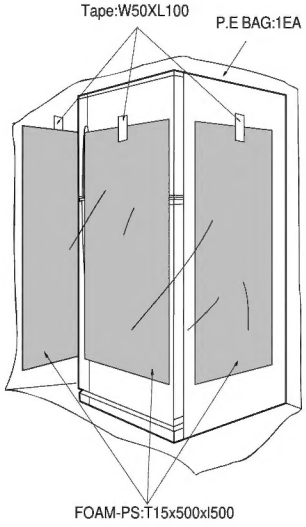
[OPTION : LOW]



Cabinet



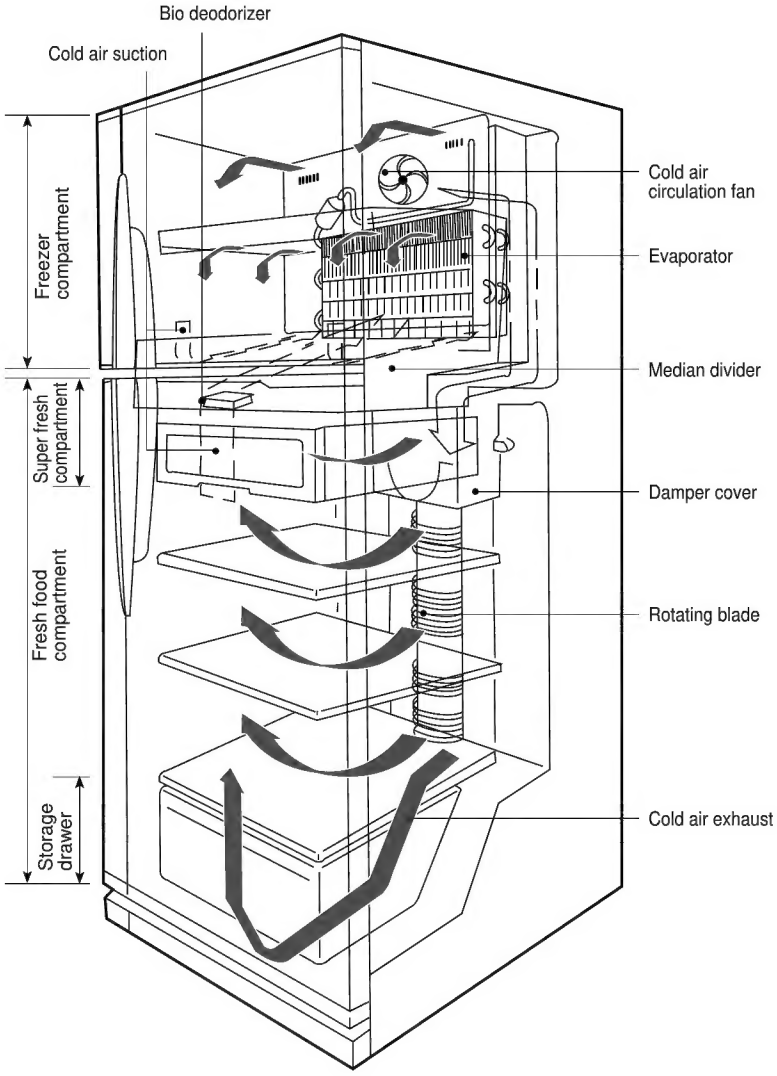




3. Electrical part specifications & standard

ITEM			STANDARD					
Model			NON-CFC			CFC		
			SRG-V57, 569M, LV SRG-V52, 519M, LV			SR-V57, 569M, LV SR-V52, 519M, LV		
soruce(Volt/Hz)			110/60	220/50	240/50	115/60	220/50,60	240/50
Refrigeration Cycle	Compressor	Model	SK170E-L2W	SK182H-L2U	SK182Q-L2U	SD362C-L2W2	SK370H-L2U	SK370Q-L2U
		Starting Type	CSR	RSCR		CSR	RSCR	
		Oil charge	FREOL α – 15C			SUNISO 2GSD (R-12)		
			265cc			200cc	265cc	
	Evaporator		Spilt fin type					
	Condenser		Forced & Natural convection					
	Dryer		Molecular sieve					
	Capillary Tube		I.D 0.75X L2450 (mm) [5.09kg/cm²]					
Electrical parts	Thermostat	Freezer	PFN-174S-05B, B363-E9					
		Refrigerator	PDC-219 SA, D705-E9C					
	Defrost-Thermo	Bimetal-Thermo. (Off/On) Thermal-	Type	AC125/250V, 10/5A				
			operating Temp.	ON : -5±3˚C, OFF : 12±3˚C				
		Fuse	Regularity	250V/10A				
		Type	operating Temp.	72±4˚C				
	Defrost-Timer	Defrosting cycle	TMDE 714TA1	TMDE 714 TF1		TMDE 714TA1	TMDE 714 TF1	
		Defrosting Time Model	6HR 35min	7HR 54min±6min (50Hz)		6HR 35min	7HR 54min±6min (50Hz) 6HR 35min±5min (60Hz)	
		Primary resistance	13min±40sec	14min 26sec±3min		13min±40sec	14min 26sec±3min(50Hz) 13min 40sec±2min(60Hz)	
	Starting-Relay		912x32E 100MQ 16APE3	PTHAS-T220M350D	912x35E 330MT 20APE2	912x32E 100MQ 16APE3	PTHAS-T220M350D	912x35E 330MT 20APE2
			10Ω±20%	68Ω±20%	32Ω±20%	10Ω±20%	68Ω±20%	32Ω±20%

	Overload-protector	Model	4TM444 NHBYY-53	4TM308 PHBYY-53	4TM232 SHBYY-53	4TM419 NHBYY-53	4TM293 SHBYY-53	4TM232 SHBYY-53
		Close Temp.	68±9˚C					
		Open Temp.	115±5˚C	125±5˚C	135±5˚C	120±5˚C	135±5˚C	135±5˚C
	Condenser	Starting	125μF/125VAC	–	–	100μF/125VAC	–	–
		Running	12.5μF/250VAC	5μF/350VAC		12.5μF/250VAC	5μF/350VAC	
	Heater	Defrost-Heater	155W/78Ω	155W/312Ω	155W/372Ω	155W/85Ω	155W/312Ω	155W/372Ω
	Lamp	Regularity	110V/15W	220V/15W	240V/15W	110V/15W	220V/15W	240V/15W
	Door-S/W	Regularity	250V 0.7A					
	Motor-geared	Standard	M2BC18AR02	M2LC18AR02		M2BC18AR02	M2LC18AR02	
	FAN-MOTOR	Cooling	AMRHB-010ZQEA	AMRHB-010WTEA	AMRHB-010UVEA	AMRHB-010ZQEA	AMRHB-010WTEA	AMRHB-010UVEA
		Circuit (unit)	IS3208-SCH6A	IS3208-SCF7A	IS3208-SCL5A	IS3208-SCH6A	IS3208-SCF7A	IS3208-SCL5A
	Earth screw	Standard	BSBN (Brass screw)					

6. Cool Air Circulation

- Cold air generated from the cooling system is distributed to the freezer compartment and the fresh food compartment by the air circulation fan.
- In the freezer compartment, cold air is distributed to the compartment as well as to the shelves from the cold air exhaust port. food is frozen in the freezer compartment by cold air shower. Cold air that comes out of the freezer compartment is absorbed back to the lower part of the cooling system through the suction port on the median divider.
- In the fresh food compartment, cold air is distributed to the damper cover through the median divider. Cold air supplied to the damper cover passes through the rotating blade and evenly cools the fresh food compartment. After cooling the fresh food compartment, cold air is absorbed to the lower part of the cooling system through the suction port on the median divider. During this process, a bio deodorizer installed in the suction port absorb and removes odor from the air.